ORDER No. EMID0003004C1

A2

Service Manual

Audio Mixer

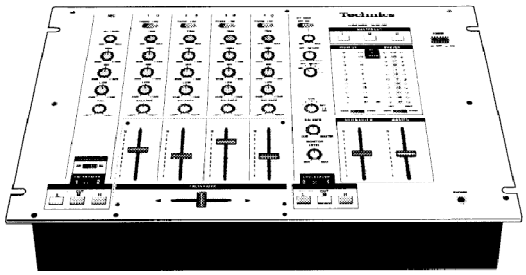
SH-MX1200

Color

(S).....Silver Type

Area

P.....U.S.A..



SPECIFICATIONS

Specification

● **Input sensitivity/ input impedance**

PHONO:	**1.5-15mV/ 47k Ω**
LINE:	**100-800mV/ 10k Ω**
EFFECT RETURN:	**100mV/ 10k Ω**
MIC:	**2mV/ 1.5k Ω**

● **Rated output voltage**

MASTER:	**1.4V/ 600 Ω**
SUB MASTER:	**1.4V/ 600 Ω**
EFFECT SEND:	**1.4V/ 2.2 Ω**
PHONES:	**0.8V/ 32 Ω**

● **Maximum output voltage (10k Ω load excluding headphones)**

MASTER:	**8V**
SUB MASTER:	**8V**
EFFECT SEND:	**8V**
PHONES:	**1.1V (load 32 Ω)**

● **Residual hum and noise**

Less than 0.2mV

● **Frequency response**

PHONO:	**30Hz-15kHz (RIAA)**
LINE:	**30Hz-20kHz (-3dB)**
EFFECT RETURN:	**30Hz-20kHz (-3dB)**
MIC:	**100Hz-10kHz (-3dB)**

● **Tone control characteristics**

LOW:	**+12dB, -24dB (63Hz)**
MID:	**+12dB, -20dB (1kHz)**
HIGH:	**+12dB, -20dB (10kHz)**

● **General**

Power supply:	**AC120V, 60Hz**
Power consumption:	**27W**
Dimensions (WxHxD):	**483x107x310mm / (19 1/32" x 4 7/32" x 12 7/32")**
Mass:	**6.7kg (14.8lbs.)**

Notes:

Specifications are subject to change without notice.
Weight and dimensions are approximate.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Technics®

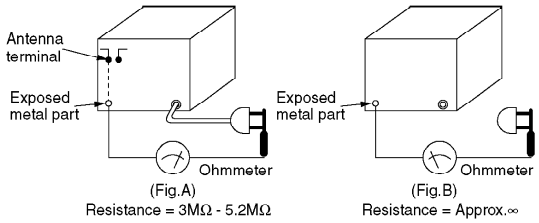
1. Safety Precaution

1. **Before servicing, unplug the power cord to prevent an electric shock.**
2. **When replacing parts, use only manufacturer's recommended components for safety.**
3. **Check the condition of the power cord. Replace if wear or damage is evident.**
4. **After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.**
5. **Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.**

● **INSULATION RESISTANCE TEST**

1. **Unplug the power cord and short the two pongs of the with a jumper wire.**
2. **Turn on the power switch.**
3. **Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads, control shafts, handle brackets, etc. Equipment wigh antenna terminals should read between 3MW and 5.2MW to all exposed parts.(Fig. A) Equipment without antenna terminal should read approximately inginity to all exposed parts.(Fig. B)**

Note:
Some exposed parts may be isolated from the chassis by design. These will read infinity.



4. If the measurement is outside the specified limits, there is possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

2. Accessory

- AC power cord.....1 pc.
(RJA0065-A)

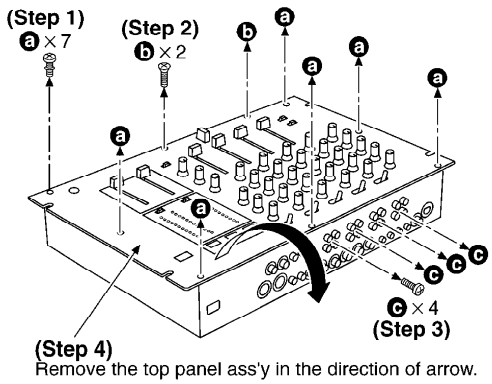
3. Operating Instructions

4. Operation Checks and Component Replacement Procedures

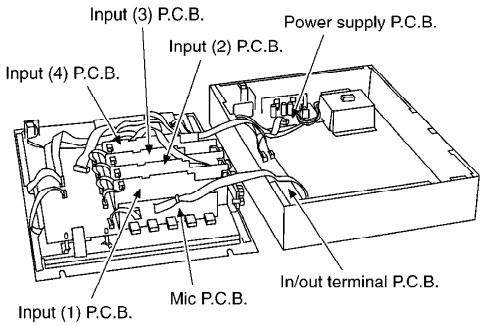
- This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.

- For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.

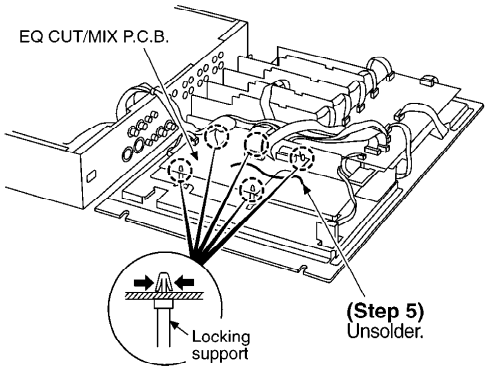
4.1. Checking for the input (1) P.C.B., input (2) P.C.B., input (3) P.C.B., input (4) P.C.B., mic P.C.B., power supply P.C.B., in/out terminal P.C.B., balance P.C.B., EQ CUT/MIX P.C.B. and level indicator P.C.B.



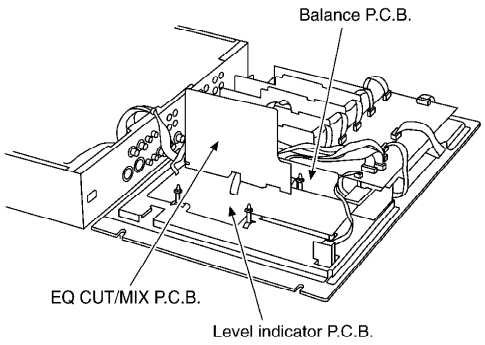
- Check the input (1) P.C.B., input (2) P.C.B., input (3) P.C.B., input (4) P.C.B., mic P.C.B., power supply P.C.B. and in/out terminal P.C.B. as shown below.



(Step 6)
Remove the locking support (5 points), and then remove the EQ CUT/MIX P.C.B..



- Check the balance P.C.B., EQ CUT/MIX P.C.B. and level indicator P.C.B. as shown below.

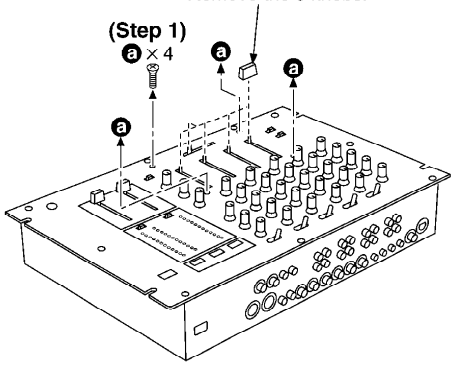


4.2. Checking for the main P.C.B.

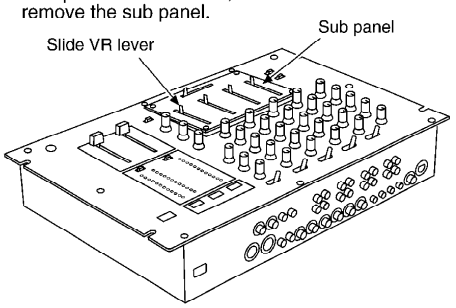
- Follow the (Step 1) , (Step 2) of item 4.1.

(Step 2)
Remove the 5 knobs.

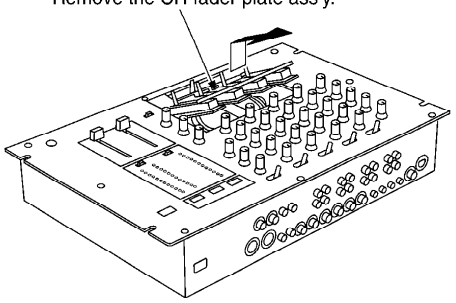
(Step 1)
ⓐ × 4



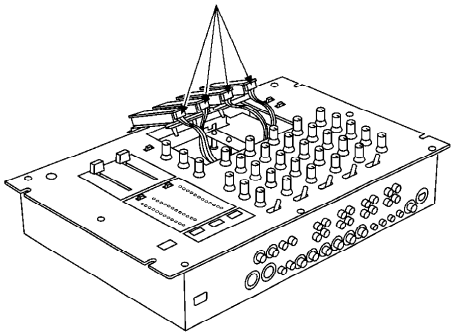
(Step 3)
Lift up the slide VR lever, and then remove the sub panel.



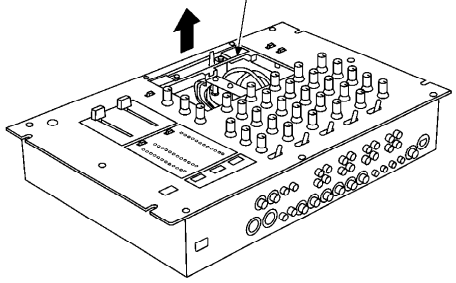
(Step 4)
Remove the CH fader plate ass'y.



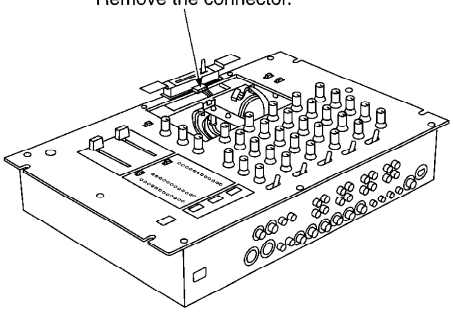
(Step 5)
Remove the 4 connectors.



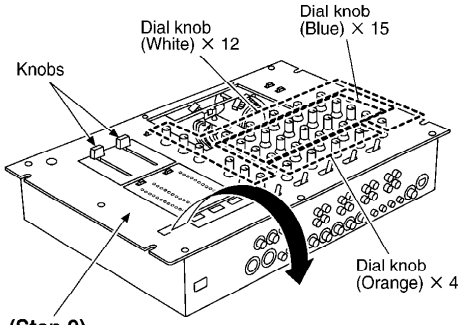
(Step 6)
Remove the cross fader plate ass'y.



(Step 7)
Remove the connector.

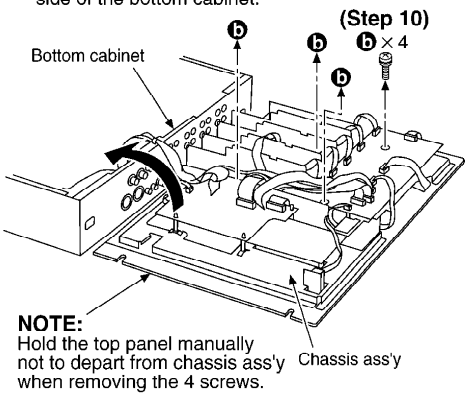


(Step 8)
Pull out the 2 knobs and 31 dial knobs.



(Step 9)
Remove the top panel ass'y in the direction of arrow.

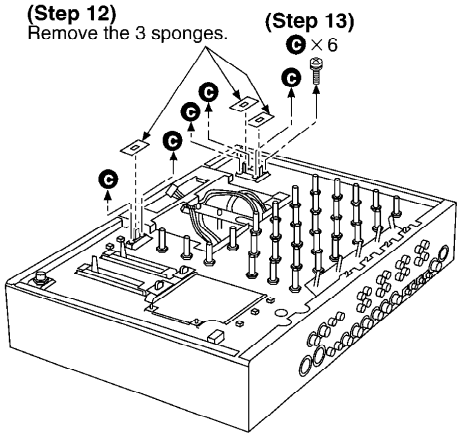
(Step 11)
Put on the chassis ass'y to up side of the bottom cabinet.



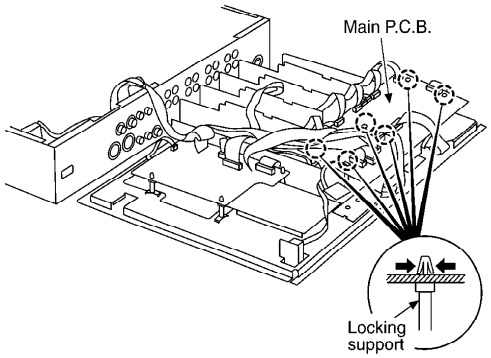
NOTE:
Hold the top panel manually not to depart from chassis ass'y when removing the 4 screws.

(Step 12)
Remove the 3 sponges.

(Step 13)

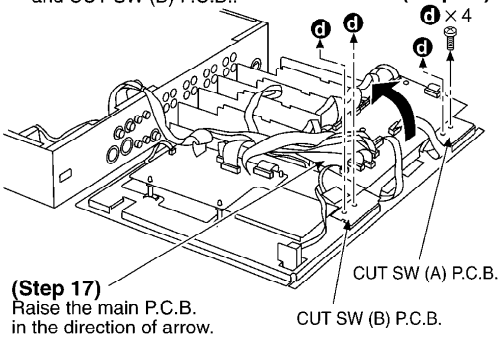


(Step 14)
Remove the locking support (6 points),
and then remove the main P.C.B..



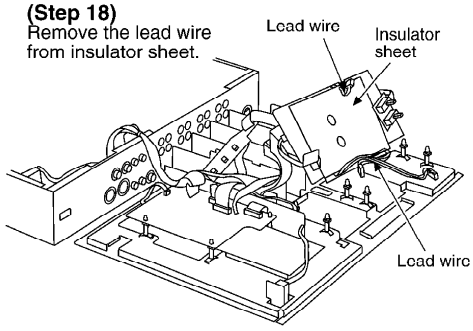
(Step 16)
Remove the CUT SW (A) P.C.B.
and CUT SW (B) P.C.B..

(Step 15)
d × 4

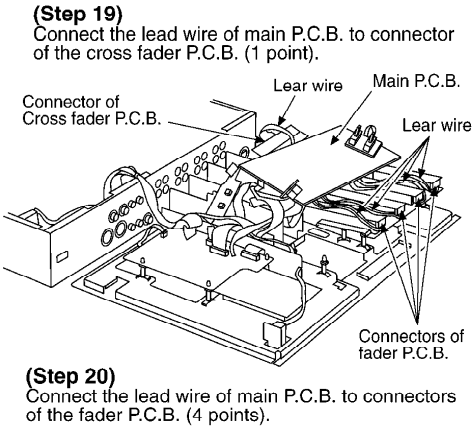


(Step 17)
Raise the main P.C.B.
in the direction of arrow.

(Step 18)
Remove the lead wire
from insulator sheet.



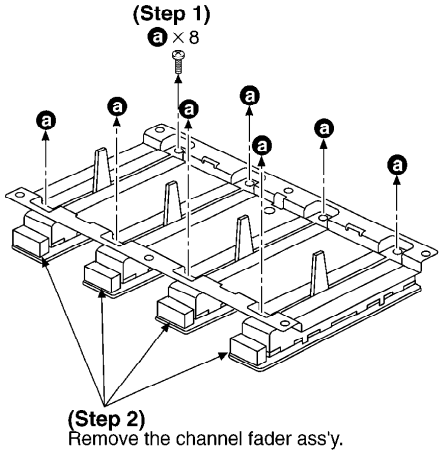
- Check the main P.C.B. as shown below.

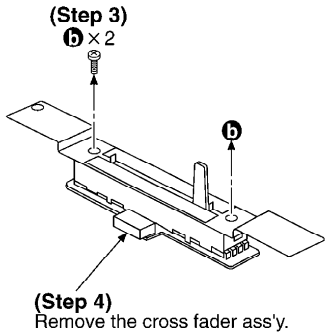

(Step 19)
Connect the lead wire of main P.C.B. to connector of the cross fader P.C.B. (1 point).
Lear wire
Main P.C.B.
Connector of Cross fader P.C.B.
Lear wire
Connectors of fader P.C.B.
(Step 20)
Connect the lead wire of main P.C.B. to connectors of the fader P.C.B. (4 points).

4.3. Replacement for the channel fader ass'y and cross fader ass'y

- Follow the (Step 1) , (Step 2) of item 4.1.

- Follow the (Step 1) - (Step 7) of item 4.2.





5. Schematic Diagram Note

5.1. Type Illustration of IC's, Transistors and Diodes

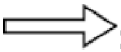
5.2. Schematic Diagram Notes

Notes:

- S101: Select input sourse (PHONO/LINE) switch in "PHONO" position.
- S201: Cross fader (CROSS FADER) switch in "OFF" position.
- S202: Cross fader (CROSS FADER) switch in "CH1" position.
- S203: Cross fader (CROSS FADER) switch in "CH3" position.
- S204: Monitor source selector (CUE) switch.
- S205: Effect source selector (EFF SELECT) switch.
- S207: Low-range cut (L) switch.
- S208: Middle-range cut (M) switch.
- S209: High-range cut (H) switch.
- S210: Low-range cut (L) switch.
- S211: Middle-range cut (M) switch.
- S212: High-range cut (H) switch.
- S401: MONO/STEREO select (MASTER) switch in "STEREO" position.
- S402: MONO/STEREO select (MONITOR) switch in "STEREO" position.
- S403: Low-range cut (L) switch.
- S404: Middle-range cut (M) switch.
- S405: High-range cut (H) switch.
- S601: Effector output ON/OFF select (EFF SEND) switch in "ON" position.
- S801: Power (POWER) switch.
- VR101: Input level (TRIM) control V.R..
- VR102: Low-range sound (LOW) control V.R..
- VR103: Middle-range sound (MID) control V.R..
- VR104: High-range sound (HIGH) control V.R..
- VR105: Left-right balance (BALANCE) control V.R..
- VR201: Volume (FADER) control V.R..
- VR205: Cross fader (CROSS FADER) V.R..
- VR401: Sub master (SUB MASTER) V.R..

- VR402: Master (MASTER) V.R..
- VR501: Low-range sound (LOW) control V.R..
- VR502: Middle-range sound (MID) control V.R..
- VR503: High-range sound (HIGH) control V.R..
- VR504: Microphone volume (MIC LEVEL) control V.R..
- VR505: Stereo balance (PAN) control V.R..
- VR601: Effector output level (EFF SEND) control V.R..
- VR602: Effector input level (EFF RETURN) control V.R..
- VR603: Volume balance (BALANCE) control V.R..
- VR604: Headphones volume (MONITOR LEVEL) control V.R..
- Signal line

: Positive voltage line.

 : Phono (1) signal line.

: Negative voltage line.

: Mic signal line.

- The voltage values and waveforms are the reference voltage of this measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of GND terminal (DC IN Jack). Accordingly, there may arise some errors in the voltage values and waveforms depending upon the internal impedance of the tester or measuring unit.

  Measurement conditions:

  *AC adaptor is used for power supply.

Caution!!

- IC and LSI are sensitive to static electricity.
- Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the pins of IC or LSI with fingers directly.

6. Schematic Diagram

7. Printed Circuit Board Diagram

7.1. Printed Circuit Board Diagram (1, 2)

7.2. Printed Circuit Board Diagram (3-5)

7.3. Printed Circuit Board Diagram (6-8)

7.4. Printed Circuit Board Diagram (9,10)

8. Block Diagram

9. Wiring Connection Diagram

10. Replacement Parts List

Notes:
***Inportant safety notice:**
Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufactures specified parts shown in the parts list.
***Capacity values are in microfarads (µ F) unless specified otherwise, P=Pico-farads (pF), F= Farads (F).**
***Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM).**
***The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
***"<M>" indicates in Remarks columns parts that are supplied by MESA.**
***"<IA>" mark in Remarks indicates languages of instruction manual.**
[<IA>: English/ German/ French]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	QYPG1094AA	TOP PANEL ASS'Y	1	
2	RGV0195-N	KNOB,PHONO/LINE/EFF SEND	5	[M]
3	XNSS12FN	NUT	10	[M]
4	XNS9	NUT	31	[M]
5	XTB3+8J	SCREW	26	[M]
6	XYN26+C5S	SCREW	6	
7	XXE2C3FT	SCREW	5	[M]
8	RGU0890-K	KNOB,POWER	1	[M]
9	RGV0194-K	KNOB,MASTER/SUB MASTER	7	[M]
10	QGUG3010AA	DIAL KNOB(WHITE)	12	
11	QGUG3010AB	DIAL KNOB(BLUE)	4	
12	QGUG3010AC	DIAL KNOB(ORANGE)	15	
13	QGUG1486AA	BUTTON,LOW/MID/HIGH	9	
14	SHRG2200A	FOOT	4	
15	QMRG7113AA	PANEL LIGHT	4	
16	RMR1029-K	ANGLE	1	[M]
17	QTPG7C002A	POWER TRANSFORMER(T901)	1	
18	XTBS3+8JFZ1	SCREW	10	[M]
19	XTB3+8J	SCREW	10	[M]
20	XYA3+FF8	SCREW	6	
21	XTB4+10JFZ	SCREW	7	[M]
22	XYN3+C5S	SCREW	14	[M]
23	XYN3+C6S	SCREW	4	[M]
24	XYN26+C5S	SCREW	4	
25	XTB3+20J	SCREW	4	[M]
26	XTS3+10JFZ	SCREW	6	[M]
27	XSB3+8FZ	SCREW	6	
28	XWS12VW	WASHER	9	
29	QMFG4238AA	SPONGE	5	
30	QHWG015AA	WASHER	7	
31	RFKFHMX1200B	CROSS FADER ASS'Y	1	
32	RFKFHMX1200A	CHANNEL FADER ASS'Y	4	
33	QMRG5214AA	RUBBER CUSHION	2	
34	XTV3+10J	SCREW	3	[M]
35	QGPG0145AA	SUB PANEL	1	
36	QEXGXH05080A	CONNECTOR ASS'Y(5P)	1	
37	QEXGZA05013A	CONNECTOR ASS'Y(5P)	2	
38	QEXGZA05013B	CONNECTOR ASS'Y(5P)	2	
39	RHD30070	SCREW	4	[M]
A1	RJA0065-A	AC POWER CORD	1	[M] ⚠
A2	QQTG0561A	INSTRUCTION MANUAL	1	<IA>
A3	RQA0149-1	WARRANTY CARD	1	[M]
A4	RQCB0391	SERVICENTER LIST	1	[M]
C1-4	ECQB1H333JF3	50V 0.033U	4	[M]
C7,8	ECEA1HKS2R2	50V 2.2U	1	[M]
C9,10	ECQB1H473JF3	50V 0.047U	2	[M]
C11,12	ECQB1H273JF3	50V 0.027U	2	[M]
C15,16	ECQB1H682JF3	50V 6800P	2	[M]
C17,18	ECQB1H332JF3	50V 3300P	2	[M]
C19-22	ECQB1H473JF3	50V 0.047U	4	[M]
C23,24	ECJ2VB1H223K	50V 0.022U	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C25,26	ECQB1H103JZ	50V 0.01U	2	[M]
C29,30	ECJ2VB1H223K	50V 0.022U	2	
C33,34	ECQB1H103JZ	50V 0.01U	2	[M]
C35,36	ECJ2VB1H223K	50V 0.022U	2	
C38	ECEA1HKS2R2	50V 2.2U	1	[M]
C42,43	ECJ2VB1H223K	50V 0.022U	2	
C44,45	ECEA1CKS100	16V 10U	2	[M]
C51	ECEA1CKS100	16V 10U	1	[M]
C52	ECJ2VB1H223K	50V 0.022U	1	
C54	ECJ2VB1H223K	50V 0.022U	1	
C56	ECJ2VB1H223K	50V 0.022U	1	
C58	ECEA1CKS100	16V 10U	1	[M]
C83	ECJ2VB1H223K	50V 0.022U	1	
C85	ECJ2VB1H223K	50V 0.022U	1	
C87	ECJ2VB1H223K	50V 0.022U	1	
C101,02	ECUV1H181JCG	50V 180P	2	
C103,04	ECEA1HKS3R3	50V 3.3U	2	[M]
C105,06	ECEA1CKS330	16V 33U	2	[M]
C107,08	ECJ2VB1H223K	50V 0.022U	2	
C109,10	ECUV1H391JCG	50V 390P	2	
C111,12	ECQB1H562JF3	50V 5600P	2	[M]
C113,14	ECQB1H223JF3	50V 0.022U	2	[M]
C115,16	ECUV1H472KBG	50V 4700P	2	
C117,18	ECEA1CKS100	16V 10U	2	[M]
C121,22	ECUV1H220JCN	50V 22P	2	[M]
C123,24	ECUV1H181JCG	50V 180P	2	
C125,26	ECEA1HKS3R3	50V 3.3U	2	[M]
C127	ECJ2VB1H223K	50V 0.022U	1	
C129,30	ECJ2VB1H223K	50V 0.022U	2	
C131,32	ECUV1H330JCG	50V 33P	2	
C133,34	ECQB1H153JF3	50V 0.015U	2	[M]
C135,36	ECJ2VB1H223K	50V 0.022U	2	
C137,38	ECEA1CKS101	16V 100U	2	[M]
C139,40	ECQB1H273JF3	50V 0.027U	2	[M]
C141,42	ECQB1H272JF3	50V 2700P	2	[M]
C143-46	ECA1CM221	16V 220U	4	[M]
C147,48	ECQB1H123JF3	50V 0.012U	2	[M]
C149,50	ECQB1H154JF3	50V 0.15U	2	
C151,52	ECQB1H333JF3	50V 0.033U	2	[M]
C153,54	ECQB1H221KF3	50V 220P	2	
C155,56	ECUV1H330JCG	50V 33P	2	
C159,60	ECUV1H330JCG	50V 33P	2	
C161,62	ECEA1HKS010	50V 1U	2	[M]
C201,02	ECEA1CKS100	16V 10U	2	[M]
C203,04	ECUV1H101JCG	50V 100P	2	
C205	ECEA1HKS2R2	50V 2.2U	1	[M]
C207,08	ECJ2VB1H223K	50V 0.022U	2	
C209,10	ECEA1CKS100	16V 10U	2	[M]
C211,12	ECUV1H101JCG	50V 100P	2	
C217,18	ECEA1CKS100	16V 10U	2	[M]
C219,20	ECUV1H101JCG	50V 100P	2	
C223,24	ECJ2VB1H223K	50V 0.022U	2	
C225,26	ECEA1CKS100	16V 10U	2	[M]
C227-30	ECUV1H101JCG	50V 100P	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C233,34	ECEA1CKS100	16V 10U	2	[M]
C235,36	ECUV1H330JCG	50V 33P	2	
C237,38	ECJ2VB1H223K	50V 0.022U	2	
C239,40	ECUV1H101JCG	50V 100P	1	
C243,44	ECUV1H330JCG	50V 33P	2	
C245,46	ECJ2VB1H223K	50V 0.022U	2	
C261,62	ECA1CM221	16V 220U	2	[M]
C285,86	ECA1CM221	16V 220U	2	[M]
C287,88	ECEA1HKS010	50V 1U	2	[M]
C293,94	ECJ2VB1H223K	50V 0.022U	2	
C297,98	ECEA1HKS010	50V 1U	2	[M]
C301,02	ECEA1HKS010	50V 1U	2	[M]
C305	ECEA1CKS100	16V 10U	1	[M]
C307-11	ECEA1HKAR22B	50V 0.22U	5	[M]
C312,13	ECJ2VB1H223K	50V 0.022U	2	
C316,17	ECJ2VB1H223K	50V 0.022U	2	
C318	ECEA1HKAR22B	50V 0.22U	1	[M]
C401-04	ECQB1H333JF3	50V 0.033U	4	[M]
C407,08	ECEA1HKS2R2	50V 2.2U	2	[M]
C409,10	ECQB1H473JF3	50V 0.047U	2	[M]
C411,12	ECQB1H273JF3	50V 0.027U	2	[M]
C415,16	ECQB1H682JF3	50V 6800P	2	[M]
C417,18	ECQB1H332JF3	50V 3300P	2	[M]
C419-22	ECQB1H473JF3	50V 0.047U	4	[M]
C423-26	ECEA1CKS101	16V 100U	4	[M]
C427	ECEA1CKS100	16V 10U	1	[M]
C428	ECEA1HKS3R3	50V 3.3U	1	[M]
C429,30	ECEA1CKS100	16V 10U	2	[M]
C431,32	ECEA1HKS3R3	50V 3.3U	2	[M]
C433,34	ECQB1H103JZ	50V 0.01U	2	[M]
C435,36	ECUV1H330JCG	50V 33P	2	
C437	ECEA1CKS100	16V 10U	1	[M]
C438	ECEA1HKS2R2	50V 2.2U	1	[M]
C449-52	ECEA1CKS100	16V 10U	4	[M]
C453,54	ECEA1HKS3R3	50V 3.3U	2	[M]
C455-58	ECUV1H101JCG	50V 100P	4	
C463,64	ECQB1H103JZ	50V 0.01U	2	[M]
C467,68	ECBT1H391KB5	50V 390P	2	[M]
C469,70*5	ECBT1H390J5	50V 39P	2	[M]
C477-82	ECJ2VB1H223K	50V 0.022U	6	
C487,88	ECJ2VB1H223K	50V 0.022U	2	
C491,92	ECJ2VB1H223K	50V 0.022U	2	
C495	ECBT1E223ZF	25V 0.022U	1	[M]
C501	ECBT1H181KB5	50V 180P	1	[M]
C502	ECQB1H154JF3	50V 0.15U	1	
C503	ECBT1H101KB5	50V 100P	1	[M]
C504	ECEA1HKS010	50V 1U	1	[M]
C505	ECBT1H100JC5	50V 10P	1	[M]
C506	ECEA1HKS010	50V 1U	1	[M]
C507,08	ECBT1H101KB5	50V 100P	2	[M]
C509	ECEA1HKS010	50V 1U	1	[M]
C510	ECBT1H100JC5	50V 10P	1	[M]
C511*4	ECEA1HKS3R3	50V 3.3U	1	[M]
C511*8	ECBT1E223ZF	25V 0.022U	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C512*4	ECEA1HKS3R3	50V 3.3U	1	[M]
C512*8	ECBT1E223ZF	25V 0.022U	1	[M]
C516*9	ECQB1H153JF3	50V 0.015U	1	[M]
C517	ECQB1H273JF3	50V 0.027U	1	[M]
C518	ECQB1H272JF3	50V 2700P	1	[M]
C519*9	ECEA1CKS101	16V 100U	1	[M]
C520*9	ECA1CM221	16V 220U	1	[M]
C521	ECA1CM221	16V 220U	1	[M]
C522	ECUV1H330JCG	50V 33P	1	
C524	ECQB1H123JF3	50V 0.012U	1	[M]
C525	ECQB1H154JF3	50V 0.15U	1	
C526	ECQB1H333JF3	50V 0.033U	1	[M]
C527	ECQB1H221KF3	50V 220P	1	
C529	ECUV1H330JCG	50V 33P	1	
C532	ECEA1CKS100	16V 10U	1	[M]
C533,34	ECUV1H330JCG	50V 33P	2	
C535,36	ECEA1HKS010	50V 1U	2	[M]
C537-40	ECJ2VB1H223K	50V 0.022U	4	
C591	ECEA1CKS101	16V 100U	1	[M]
C601,02	ECEA1HKS010	50V 1U	2	[M]
C603,04	ECUV1H330JCG	50V 33P	2	
C606	ECUV1H101JCG	50V 100P	1	
C609	ECUV1H101JCG	50V 100P	1	
C611,12	ECEA1CKS100	16V 10U	2	[M]
C613,14	ECJ2VB1H223K	50V 0.022U	2	
C615,16	ECUV1H181JCG	50V 180P	2	
C617,18	ECEA1HKS3R3	50V 3.3U	2	[M]
C619-22	ECUV1H101JCG	50V 100P	4	
C623,24	ECJ2VB1H223K	50V 0.022U	2	
C625,26	ECEA1HKS3R3	50V 3.3U	2	[M]
C627,28	ECUV1H101JCG	50V 100P	2	
C631,32	ECUV1H330JCG	50V 33P	2	
C634,35	ECJ2VB1H223K	50V 0.022U	2	
C637-40	ECEA1CKS100	16V 10U	4	[M]
C641,42	ECUV1H330JCG	50V 33P	2	
C643,44	ECEA1CKS100	16V 10U	2	[M]
C645,46	ECJ2VB1H223K	50V 0.022U	2	
C647-50	ECUV1H101JCG	50V 100P	4	
C651,52	ECEA1CKS100	16V 10U	2	[M]
C653,54	ECUV1H220JCN	50V 22P	2	[M]
C655,56	ECJ2VB1H223K	50V 0.022U	2	
C657,58	ECEA1HKS3R3	50V 3.3U	2	[M]
C661,62	ECJ2YB1H473K	50V 0.047U	1	
C691,92	ECA1CM221	16V 220U	2	[M]
C701,02	ECBT1H102KB5	50V 1000P	2	[M]
C703,04	ECEA1CKS101	16V 100U	2	[M]
C705	ECBT1H101KB5	50V 100P	1	[M]
C706	ECBT1H100JC5	50V 10P	1	[M]
C707,08	ECBT1E223ZF	25V 0.022U	2	[M]
C709-11	ECBT1H181KB5	50V 180P	3	[M]
C715,16	ECBT1H330J5	50V 33P	2	[M]
C717,18	ECBT1E223ZF	25V 0.022U	2	[M]
C727,28	ECBT1H390J5	50V 39P	2	[M]
C733-36	ECBT1H151KB5	50V 150P	4	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C737,38	ECBT1E223ZF	25V 0.022U	2	[M]
C739,40	ECA1EM101	25V 100U	2	[M]
C743-46	ECBT1H151KB5	50V 150P	4	[M]
C747,48	ECA1EM101	25V 100U	2	[M]
C749,50	ECBT1E223ZF	25V 0.022U	2	[M]
C757	ECBT1E223ZF	25V 0.022U	1	[M]
C771,72	ECBT1H390J5	50V 39P	2	[M]
C780,81	ECEA1CKS100	16V 10U	2	[M]
C801-04	ECQB1H333JF3	50V 0.033U	4	[M]
C807,08	ECEA1HKS2R2	50V 2.2U	2	[M]
C809,10	ECQB1H473JF3	50V 0.047U	2	[M]
C811,12	ECQB1H273JF3	50V 0.027U	2	[M]
C815,16	ECQB1H682JF3	50V 6800P	2	[M]
C817,18	ECQB1H332JF3	50V 3300P	2	[M]
C819-22	ECQB1H473JF3	50V 0.047U	4	[M]
C825,26	ECQB1H103JZ	50V 0.01U	2	[M]
C833,34	ECQB1H103JZ	50V 0.01U	2	[M]
C838	ECEA1HKS2R2	50V 2.2U	1	[M]
C901	ECA1EM101	25V 100U	1	[M]
C902	ECA1EM221	25V 220U	1	[M]
C903,04	ECBT1E223ZF	25V 0.022U	2	[M]
C905*6	ECEA1HKS3R3	50V 3.3U	1	[M]
C905*7	ECA1EM102	25V 1000U	1	[M] ⚠
C906	ECA1EM102	25V 1000U	1	[M] ⚠
C907	ECKR2H682PE	500V 6800P	1	[M]
C908	ECEA1HKSR33	50V 0.33U	1	[M]
C909	ECEA0JKS101	6.3V 100U	1	[M]
C910	ECEA1CKS101	16V 100U	1	[M]
C911	ECBT1E223ZF	25V 0.022U	1	[M]
C912	ECA1EM102	25V 1000U	1	[M] ⚠
C913	ECBT1E223ZF	25V 0.022U	1	[M]
C915	ECKCVA1472MF	50V 4700P	1	
C951	ECEA1HKS3R3	50V 3.3U	1	[M]
C954	ECEA1HKS3R3	50V 3.3U	1	[M]
C973,74	ECBT1E223ZF	25V 0.022U	2	[M]
CN201	RJS5T4ZA	CONNECTOR(5P)	1	[M]
CN204	RJS5T4ZA	CONNECTOR(5P)	1	[M]
CN205	RJS8T4ZA	CONNECTOR(8P)	1	[M]
CN206	RJS3T4ZA	CONNECTOR(3P)	1	[M]
CN207	RJS5T4ZA	CONNECTOR(5P)	1	[M]
CN210	RJS5T4ZA	CONNECTOR(5P)	1	[M]
CN211	RJS6T4ZA	CONNECTOR(6P)	1	[M]
CN212	RJS11T4ZA	CONNECTOR(11P)	1	[M]
CN213	RJS8T4ZA	CONNECTOR(8P)	1	[M]
CN214	RJS7T4ZA	CONNECTOR(7P)	1	[M]
CN215	RJS6T4ZA	CONNECTOR(6P)	1	[M]
CN216,17	RJS8T4ZA	CONNECTOR(8P)	2	[M]
CN218	SJT3511	CONNECTOR(5P)	1	[M]
CN219	RJS10T4ZA	CONNECTOR(10P)	1	[M]
CN220	RJS6T7ZA	CONNECTOR(6P)	1	[M]
CN401	RJS11T4ZA	CONNECTOR(11P)	1	[M]
CN402	RJS4T4ZA	CONNECTOR(4P)	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
CN403	RJS5T4ZA	CONNECTOR(5P)	1	[M]
CN501	RJS7T4ZA	CONNECTOR(7P)	1	[M]
CN601	RJS11T4ZA	CONNECTOR(11P)	1	[M]
CN701	RJS10T4ZA	CONNECTOR(10P)	1	[M]
CN702	RJS4T4ZA	CONNECTOR(4P)	1	[M]
CN901	B3P-VH	CONNECTOR(3P)	1	
CN902	B2P3-VH	CONNECTOR(2P)	1	
CN903	RJS6T4ZA	CONNECTOR(6P)	1	[M]
D101-04	MA4068M	DIODE	4	[M]
D201,03	MA110TW	DIODE	2	[M]
D202,04	MA110TW	DIODE	2	[M]
D205,07	MA110TW	DIODE	2	[M]
D206,08	MA110TW	DIODE	2	[M]
D351,52	MA110TW	DIODE	2	[M]
D401-03	MA165	DIODE	3	[M]
D901	ERA1502V5	DIODE	1	
D901A	MA165	DIODE	1	[M]
D902	ERA1502V5	DIODE	1	
D902A	MA165	DIODE	1	[M]
D903	ERA1502V5	DIODE	1	
D903A	MA165	DIODE	1	[M]
D904-07	ERA1502V5	DIODE	4	
D908	MA4300H	DIODE	1	[M]
D910	MA4056M	DIODE	1	[M] ⚠
F1	XBA1C063NBAU	FUSE,125V 0.63A	1	⚠
IC1-6	M5218AFPE3	IC	6	[M]
IC8	M5218AFPE3	IC	1	[M]
IC101	M5220FPE1	IC	1	
IC102-08	M5218AFPE3	IC	7	[M]
IC201-07	M5218AFPE3	IC	7	[M]
IC209-12	BU4066BCF-E2	IC	4	[M]
IC214-16	M5218AFPE3	IC	3	[M]
IC222	M5218AFPE3	IC	1	[M]
IC223-25	TC4013BFELN	IC	3	
IC401-08	M5218AFPE3	IC	8	[M]
IC411-14	M5218AFPE3	IC	4	[M]
IC501	SVIGM5220L	IC	1	
IC502-05	M5218AFPE3	IC	4	[M]
IC601-06	M5218AFPE3	IC	6	[M]
IC701	SVIGM5220L	IC	1	
IC702	M5218AL	IC	1	[M]
IC705,06	M5218AL	IC	2	[M]
IC801-06	M5218AFPE3	IC	6	[M]
IC808	M5218AFPE3	IC	1	[M]
IC901	BA681A	IC	1	
IC901	SVIGM5F7815	IC	1	
IC902	BA681A	IC	1	
IC902	SVIGM5F7915	IC	1	
IC903	BA681A	IC	1	
IC903	M5F7812L	IC	1	[M] ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IP1,2	ICP-N10T104	IC PROTECTOR	1	⚠
JK101	SJF3069A	JACK,1-4IN	1	[M]
JK401	RJH3201A	JACK,SUB MASTER OUT	1	[M]
JK402,03	QJJG013AA	JACK,SUB MASTER OUT	2	
JK601	RJJ63TA01	JACK,HEADPHONES	1	[M]
JK701	RJJ63TA01	JACK,MIC	1	[M]
JK702,03	QJJG013AA	JACK,EFF RETURN	2	
JK704	RJS1A9803-R	JACK,MIC	1	[M]
JK705	RJH3201A	JACK,MASTER OUT	1	[M]
JK706,07	QJJG013AA	JACK,MASTER OUT	2	
JK708,09	RJS1A9703-R	JACK,MASTER OUT	2	[M]
JK710,11	QJJG013AA	JACK,EFF SEND	2	
JK901	SJSD16-1	JACK,AC INLET	1	[M] ⚠
L1	RLQZ371	COIL	1	[M] ⚠
LED101-04	LNJ301MPUJAD	LED(GREEN)	4	[M]
LED201-12	SLR-325VC	LED	12	[M]
LED401	LN28RPX-TA6	LED(RED)	1	
LED402-08	LN38GPX-TA6	LED(GREEN)	7	
LED409-12	LN28RPX-TA6	LED(RED)	4	
LED413-19	LN38GPX-TA6	LED(GREEN)	7	
LED420	LN48YPX-TA6	LED(ORANGE)	1	
LED421-24	LN28RPX-TA6	LED(RED)	4	
LED425-31	LN38GPX-TA6	LED(GREEN)	7	
LED432	LN48YPX-TA6	LED(ORANGE)	1	
LED433-36	LN28RPX-TA6	LED(RED)	4	
LED450	LN48YPX-TA6	LED(ORANGE)	1	
P1	QPGG0454AB	PACKING CASE	1	
P2	QPNG0743AA	CUSHION(L)	1	
P3	QPNG0744AA	CUSHION(R)	1	
P4	SPP730	PROTECTION BAG(UNIT)	1	[M]
P5	SPFG20B	PROTECTION BAG(F.B.)	1	
PCB1	SXPG233311	MAIN P.C.B.	1	(RTL)
PCB2	SXPG233011A	INPUT P.C.B.	1	(RTL)
PCB3	SXPG233011B	MIC P.C.B.	1	(RTL)
PCB4	SXPG233011C	CHANNEL VIEW P.C.B.	1	(RTL)
PCB5	SXPG233011D	SIGNAL SELECT P.C.B.	1	(RTL)
PCB6	SXPG233011E	BALANCE P.C.B.	1	(RTL)
PCB7	SXPG233011F	CROSS FADER SW(A)P.C.B.	1	(RTL)
PCB8	SXPG233011G	CROSS FADER SW(B)P.C.B.	1	(RTL)
PCB9	SXPG233011H	CUT SW(A)P.C.B.	1	(RTL)
PCB10	SXPG233011I	CUT SW(B)P.C.B.	1	(RTL)
PCB11	SXPG233011J	HEADPHONES JACK P.C.B.	1	(RTL)
PCB12	SXPG233111A	LEVEL INDICATOR P.C.B.	1	(RTL)
PCB13	SXPG233111B	EQ CUT/MIX P.C.B.	1	(RTL)
PCB14	SXPG233111D	MASTER CUT SW P.C.B.	1	(RTL)
PCB15	SXPG233111E	MASTER FADER P.C.B.	1	(RTL)
PCB16	SXPG233211A	IN/OUT TERMINAL P.C.B.	1	(RTL)

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
PCB17	SXPG233221B	POWER SUPPLY P.C.B.	1	(RTL)
PCB18	SXPG233211C	SUB MASTER OUTPUT P.C.B.	1	(RTL)
PCB19	SXPG233211D	POWER SUPPLY SW P.C.B.	1	(RTL)
Q5-10	2SJ105TP4	TRANSISTOR	6	
Q204-07	DTC114ESTP	TRANSISTOR	4	[M]
Q208	2SC2458GR	TRANSISTOR	1	[M]
Q209-14	UN2211TX	TRANSISTOR	6	[M]
Q215	2SJ74TPE2	TRANSISTOR	1	
Q216	2SK170TPE2	TRANSISTOR	1	
Q217	2SJ74TPE2	TRANSISTOR	1	
Q218	2SK170TPE2	TRANSISTOR	1	
Q404A	2SC3327A	TRANSISTOR	1	[M]
Q405	2SJ105TP4	TRANSISTOR	1	
Q405A	2SC3327A	TRANSISTOR	1	[M]
Q406	2SJ105TP4	TRANSISTOR	1	
Q406A	2SC3327A	TRANSISTOR	1	[M]
Q407	2SJ105TP4	TRANSISTOR	1	
Q407A	2SC3327A	TRANSISTOR	1	[M]
Q408-10	2SJ105TP4	TRANSISTOR	3	
Q601	2SC3327A	TRANSISTOR	1	[M]
Q601A	2SD592AR	TRANSISTOR	1	[M] ⚠
Q602	2SC3327A	TRANSISTOR	1	[M]
Q602A	2SB621A-R	TRANSISTOR	1	[M] ⚠
Q701-04	2SC3327A	TRANSISTOR	1	[M]
Q705-08	2SC3327A	TRANSISTOR	1	[M]
Q709,10	2SC3327A	TRANSISTOR	1	[M]
Q805-10	2SJ105TP4	TRANSISTOR	6	
Q901,02	2SC3327A	TRANSISTOR	2	[M]
Q903	UN4115	TRANSISTOR	1	[M]
R1,2	ERJ6GEYJ102V	1/10W 1K	1	[M]
R3,4	ERJ6GEYJ182V	1/10W 1.8K	1	[M]
R5,6	ERJ6GEYJ473V	1/10W 47K	1	[M]
R7,8	ERJ6GEYJ103V	1/10W 10K	1	[M]
R9,10	ERJ6GEYJ105	1/10W 1M	2	[M]
R11,12	ERJ6GEYJ563V	1/10W 56K	2	[M]
R13-16	ERJ6GEYJ153V	1/10W 15K	1	[M]
R17,18	ERJ6GEYJ473V	1/10W 47K	2	[M]
R19,20	ERJ6GEYJ103V	1/10W 10K	2	[M]
R21,22	ERJ6GEYJ105	1/10W 1M	2	[M]
R23,24	ERJ6GEYJ563V	1/10W 56K	2	[M]
R25,26	ERJ6GEYJ103V	1/10W 10K	2	[M]
R51-54	ERJ6GEYJ123V	1/10W 12K	4	[M]
R55,56	ERJ6GEYJ562V	1/10W 5.6K	2	[M]
R57,58	ERJ6GEYJ103V	1/10W 10K	1	[M]
R67,68	ERJ6GEYJ513V	1/10W 51K	1	
R69,70	ERJ6GEYJ222V	1/10W 2.2K	2	[M]
R77,78	ERJ6GEYJ124V	1/10W 120K	2	[M]
R79,80	ERJ6GEYJ123V	1/10W 12K	2	[M]
R81-84	ERJ6GEYJ243V	1/10W 24K	4	[M]
R85,86	ERJ6GEYJ473V	1/10W 47K	2	[M]
R87,88	ERJ6GEYJ103V	1/10W 10K	2	[M]
R89,90	ERJ6GEYJ105	1/10W 1M	2	[M]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

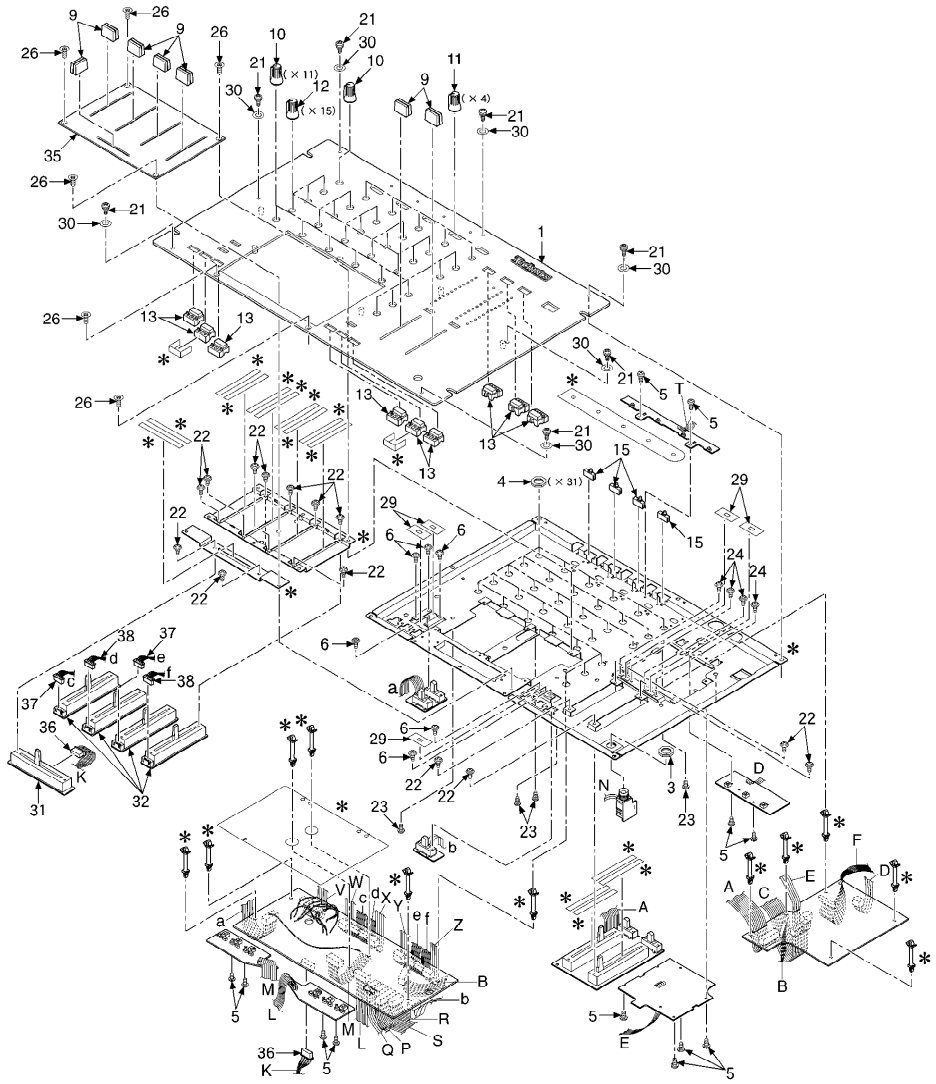
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R91,92	ERJ6GEYJ563V	1/10W 56K	2	[M]
R93,94	ERJ6GEYJ473V	1/10W 47K	2	[M]
R95	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R96	ERJ6GEYJ104V	1/10W 100K	1	[M]
R97	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R98	ERJ6GEYJ104V	1/10W 100K	1	[M]
R99,100	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R101,02*1	ERJ6GEYJ102V	1/10W 1K	1	[M]
R101,02*2	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R103,04*1	ERJ6GEYJ224V	1/10W 220K	1	[M]
R105,06*1	ERJ6GEYJ101V	1/10W 100	1	[M]
R103-06*2	ERJ6GEYJ105	1/10W 1M	1	[M]
R107,08*1	ERJ6GEYJ563V	1/10W 56K	1	[M]
R107*2	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R108*2	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R109,10*1	ERJ6GEYJ271V	1/10W 270	1	[M]
R109,10*2	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R111,12*1	ERJ6GEYJ680V	1/10W 68	1	[M]
R113,14*1	ERJ6GEYJ123V	1/10W 12K	1	[M]
R111-14*2	ERJ6GEYJ105	1/10W 1M	1	[M]
R115,16	ERJ6GEYJ184V	1/10W 180K	2	[M]
R117,18	ERJ6GEYJ102V	1/10W 1K	2	[M]
R119,20	ERJ6GEYJ563V	1/10W 56K	2	[M]
R121,22	ERJ6GEYJ123V	1/10W 12K	2	[M]
R123,24	ERJ6GEYJ471V	1/10W 470	2	[M]
R127,28	ERJ6GEYJ102V	1/10W 1K	2	[M]
R129,30	ERJ6GEYJ563V	1/10W 56K	2	[M]
R131-34	ERJ6GEYJ223V	1/10W 22K	4	[M]
R135-38	ERJ6GEYJ563V	1/10W 56K	4	[M]
R139,40	ERJ6GEYJ183V	1/10W 18K	2	[M]
R141,42	ERJ6GEYJ152V	1/10W 1.5K	1	[M]
R143,44	ERJ6GEYJ223V	1/10W 22K	2	[M]
R145,46	ERJ6GEYJ472V	1/10W 4.7K	2	[M]
R147,48	ERJ6GEYJ223V	1/10W 22K	2	[M]
R149,50	ERJ6GEYJ471V	1/10W 470	2	[M]
R151,52	ERJ6GEYJ203V	1/10W 20K	2	
R153,54	ERJ6GEYJ471V	1/10W 470	2	[M]
R155,56	ERJ6GEYJ223V	1/10W 22K	2	[M]
R157-60	ERJ6GEYJ562V	1/10W 5.6K	4	[M]
R161-64	ERJ6GEYJ102V	1/10W 1K	4	[M]
R201-04	ERJ6GEYJ122V	1/10W 1.2K	4	[M]
R205,06	ERJ6GEYJ103V	1/10W 10K	2	[M]
R207,08	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R209,10	ERJ6GEYJ103V	1/10W 10K	2	[M]
R211,12	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R213,14	ERJ6GEYJ103V	1/10W 10K	2	[M]
R215,16	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R217,18	ERJ6GEYJ103V	1/10W 10K	2	[M]
R219-22	ERJ3GEY0R00V	CHIP JUMPER	4	[M]
R223,24	ERJ6GEYJ103V	1/10W 10K	1	[M]
R225,26	ERJ6GEYJ223V	1/10W 22K	2	[M]
R227,28	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R229-32	ERJ6GEYJ223V	1/10W 22K	4	[M]
R233,34	ERJ3GEY0R00V	CHIP JUMPER	2	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R235,36	ERJ6GEYJ223V	1/10W 22K	2	[M]
R237-40	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R241,42	ERJ6GEYJ223V	1/10W 22K	2	[M]
R243,44	ERJ6GEYJ103V	1/10W 10K	2	[M]
R257,58	ERJ6GEYJ682V	1/10W 6.8K	2	[M]
R261-68	ERJ6GEYJ223V	1/10W 22K	8	[M]
R279,80	ERJ6GEYJ682V	1/10W 6.8K	2	[M]
R281-86	ERJ6GEYJ102V	1/10W 1K	6	[M]
R291-300	ERJ6GEYJ104V	1/10W 100K	1	[M]
R301,02	ERJ6GEYJ124V	1/10W 120K	2	[M]
R308	ERJ3GEY0R00V	CHIP JUMPER	1	[M]
R309	ERJ6GEYJ272V	1/10W 2.7K	1	[M]
R310-12	ERJ6GEYJ102V	1/10W 1K	3	[M]
R314	ERJ3GEY0R00V	CHIP JUMPER	1	[M]
R315	ERJ6GEYJ272V	1/10W 2.7K	1	[M]
R316-18	ERJ6GEYJ102V	1/10W 1K	3	[M]
R319	ERJ6GEYJ823	1/10W 82K	1	[M]
R320,21	ERJ6GEYJ103V	1/10W 10K	2	[M]
R322-27	ERJ6GEYJ561V	1/10W 560	6	[M]
R330	ERJ6GEYJ104V	1/10W 100K	1	[M]
R331,32	ERJ6GEYJ102V	1/10W 1K	2	[M]
R333	ERJ6GEYJ104V	1/10W 100K	1	[M]
R336	ERJ6GEYJ104V	1/10W 100K	1	[M]
R337,38	ERJ6GEYJ102V	1/10W 1K	2	[M]
R339	ERJ6GEYJ104V	1/10W 100K	1	[M]
R342	ERJ6GEYJ104V	1/10W 100K	1	[M]
R343,44	ERJ6GEYJ102V	1/10W 1K	2	[M]
R345	ERJ6GEYJ104V	1/10W 100K	1	[M]
R346,47	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R350,51*2	ERJ3GEY0R00V	CHIP JUMPER	1	[M]
R350,51*3	ERJ6GEYJ102V	1/10W 1K	1	[M]
R352,53	ERJ6GEYJ684V	1/10W 680K	2	[M]
R354,55	ERJ6GEYJ104V	1/10W 100K	2	[M]
R356	ERJ6GEYJ103V	1/10W 10K	1	[M]
R357	ERJ6GEYJ224V	1/10W 220K	1	[M]
R359	ERJ6GEYJ103V	1/10W 10K	1	[M]
R360	ERJ6GEYJ224V	1/10W 220K	1	[M]
R401,02	ERJ6GEYJ102V	1/10W 1K	2	[M]
R403,04	ERJ6GEYJ182V	1/10W 1.8K	2	[M]
R405,06	ERJ6GEYJ473V	1/10W 47K	2	[M]
R407,08	ERJ6GEYJ103V	1/10W 10K	2	[M]
R409,10	ERJ6GEYJ105	1/10W 1M	2	[M]
R411,12	ERJ6GEYJ563V	1/10W 56K	2	[M]
R413-16	ERJ6GEYJ153V	1/10W 15K	4	[M]
R417,18	ERJ6GEYJ393V	1/10W 39K	2	[M]
R419,20	ERJ6GEYJ103V	1/10W 10K	2	[M]
R421,22	ERJ6GEYJ105	1/10W 1M	2	[M]
R423,24	ERJ6GEYJ563V	1/10W 56K	2	[M]
R425	ERJ6GEYJ822V	1/10W 8.2K	1	[M]
R426,27	ERJ6GEYJ333V	1/10W 33K	2	[M]
R428	ERJ6GEYJ103V	1/10W 10K	1	[M]
R429,30	ERJ6GEYJ333V	1/10W 33K	2	[M]
R431-34	ERJ6GEYJ103V	1/10W 10K	4	[M]
R435	ERJ6GEYJ472V	1/10W 4.7K	1	[M]

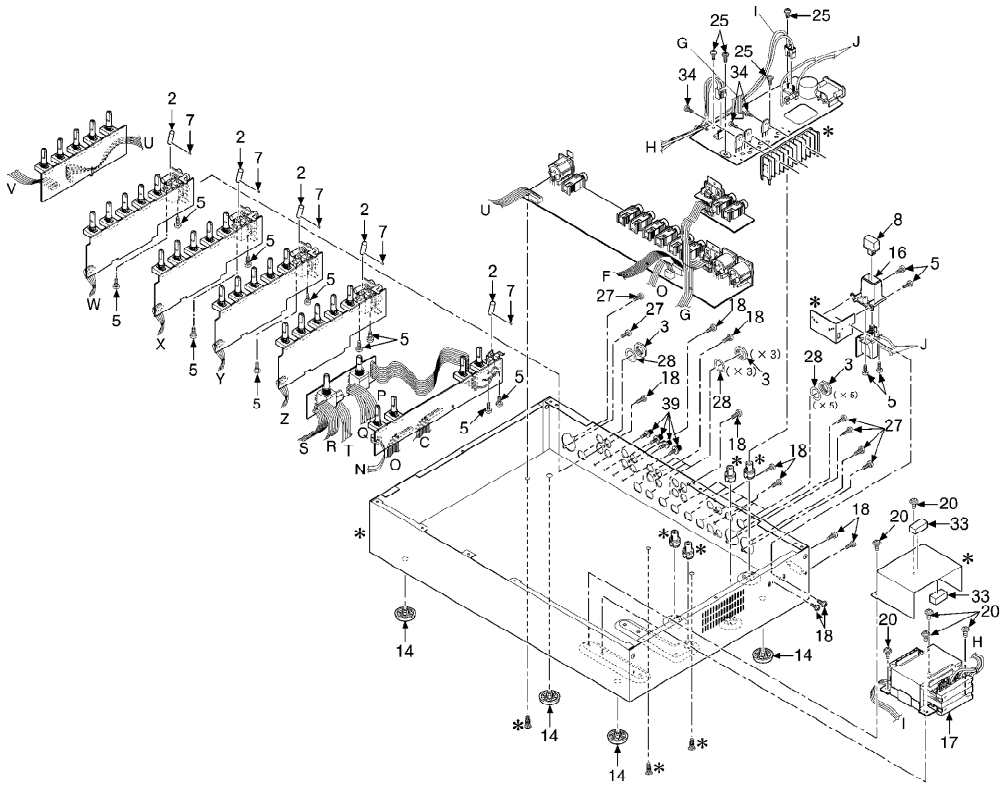
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R437,38	ERJ6GEYJ472V	1/10W 4.7K	2	[M]
R439-42	ERJ6GEYJ222V	1/10W 2.2K	4	[M]
R443,44	ERJ6GEYJ563V	1/10W 56K	2	[M]
R445,46	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R449,50	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R451,52	ERJ6GEYJ103V	1/10W 10K	1	[M]
R453*4	ERJ6GEYJ123V	1/10W 12K	1	[M]
R453*8	ERDS2FJ561	1/4W 560	1	[M]
R454*4	ERJ6GEYJ123V	1/10W 12K	1	[M]
R454*8	ERDS2FJ561	1/4W 560	1	[M]
R455*4	ERJ6GEYJ562V	1/10W 5.6K	1	[M]
R455*8	ERDS2FJ102	1/4W 1K	1	[M]
R456*4	ERJ6GEYJ562V	1/10W 5.6K	1	[M]
R456*8	ERDS2FJ102	1/4W 1K	1	[M]
R457*4	ERJ6GEYJ103V	1/10W 10K	1	[M]
R457*8	ERDS2FJ102	1/4W 1K	1	[M]
R458*4	ERJ6GEYJ103V	1/10W 10K	1	[M]
R458*8	ERDS2FJ102	1/4W 1K	1	[M]
R459,60	ERJ6GEYJ563V	1/10W 56K	2	[M]
R461,62	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R465,66	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R467,68*8	ERDS2FJ561	1/4W 560	1	[M]
R469,70	ERJ6GEYJ222V	1/10W 2.2K	2	[M]
R472,73	ERJ6GEYJ332V	1/10W 3.3K	2	[M]
R474,75	ERJ6GEYJ103V	1/10W 10K	1	[M]
R476	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R477,78	ERJ6GEYJ124V	1/10W 120K	2	[M]
R479,80	ERJ6GEYJ123V	1/10W 12K	2	[M]
R481-84	ERJ6GEYJ243V	1/10W 24K	4	[M]
R485,86*4	ERJ6GEYJ473V	1/10W 47K	1	[M]
R487,88*4	ERJ6GEYJ103V	1/10W 10K	1	[M]
R485*5	ERDS2FJ471	1/4W 470	1	[M]
R486,87*5	ERDS2FJ471	1/4W 470	1	[M]
R488*5	ERDS2FJ471	1/4W 470	1	[M]
R489,90	ERJ6GEYJ105	1/10W 1M	2	[M]
R491,92	ERJ6GEYJ563V	1/10W 56K	2	[M]
R493,94	ERJ6GEYJ473V	1/10W 47K	2	[M]
R495-99	ERJ3GEY0R00V	CHIP JUMPER	5	[M]
R501	ERDS2FJ471	1/4W 470	1	[M]
R502	ERDS2FJ103	1/4W 10K	1	[M]
R503	ERDS2FJ272	1/4W 2.7K	1	[M]
R504	ERDS2FJ104	1/4W 100K	1	[M]
R505	ERDS2FJ223	1/4W 22K	1	[M]
R506	ERDS2FJ104	1/4W 100K	1	[M]
R507	ERDS2FJ273	1/4W 27K	1	[M]
R509	ERJ6GEYJ223V	1/10W 22K	1	[M]
R510,11	ERJ6GEYJ563V	1/10W 56K	2	[M]
R512	ERJ6GEYJ183V	1/10W 18K	1	[M]
R513	ERJ6GEYJ223V	1/10W 22K	1	[M]
R514	ERJ6GEYJ152V	1/10W 1.5K	1	[M]
R515	ERJ6GEYJ472V	1/10W 4.7K	1	[M]
R516	ERJ6GEYJ223V	1/10W 22K	1	[M]
R517	ERJ6GEYJ562V	1/10W 5.6K	1	[M]
R518	ERJ6GEYJ223V	1/10W 22K	1	[M]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R519	ERJ6GEYJ471V	1/10W 470	1	[M]
R520	ERJ6GEYJ562V	1/10W 5.6K	1	[M]
R521	ERJ6GEYJ203V	1/10W 20K	1	
R522	ERJ6GEYJ471V	1/10W 470	1	[M]
R523-25	ERJ6GEYJ102V	1/10W 1K	3	[M]
R526-29	ERJ6GEYJ223V	1/10W 22K	4	[M]
R530,31	ERJ3GEY0R00V	CHIP JUMPER	2	[M]
R532,33	ERDS2FJ104	1/4W 100K	2	[M]
R534	ERDS2FJ103	1/4W 10K	1	[M]

11. Cabinet Parts Location

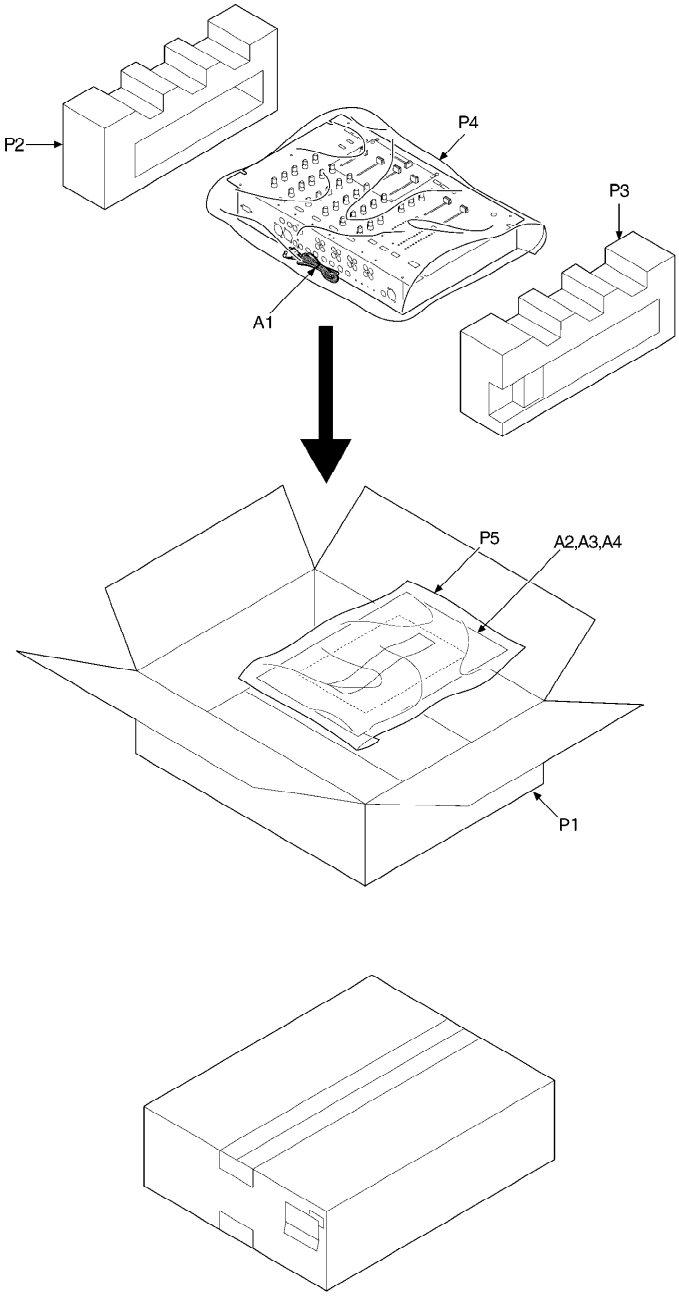


Note : We do not supply those items of parts marked ✻.



Note : We do not supply those items of parts marked ✻.

12. Packaging



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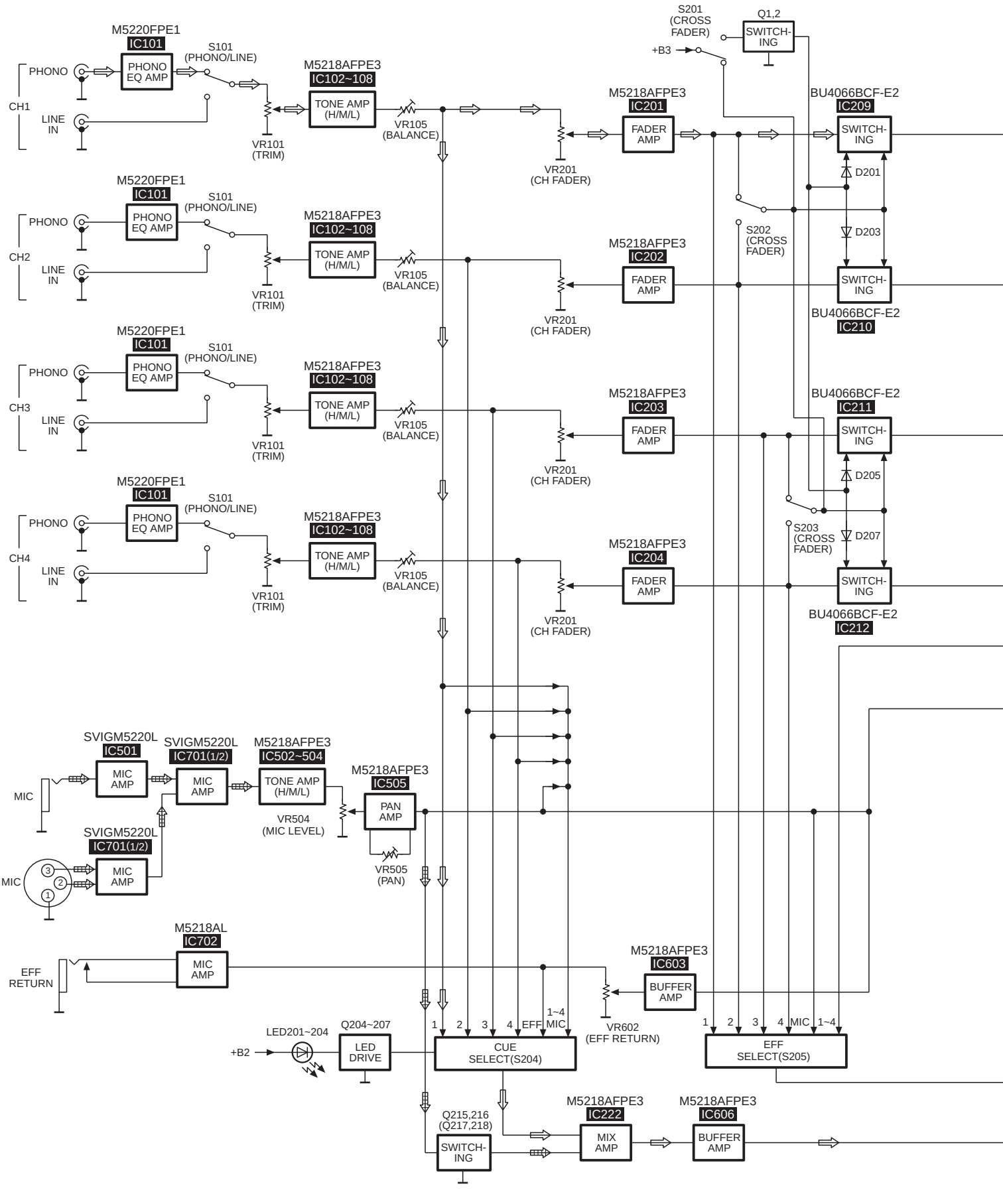
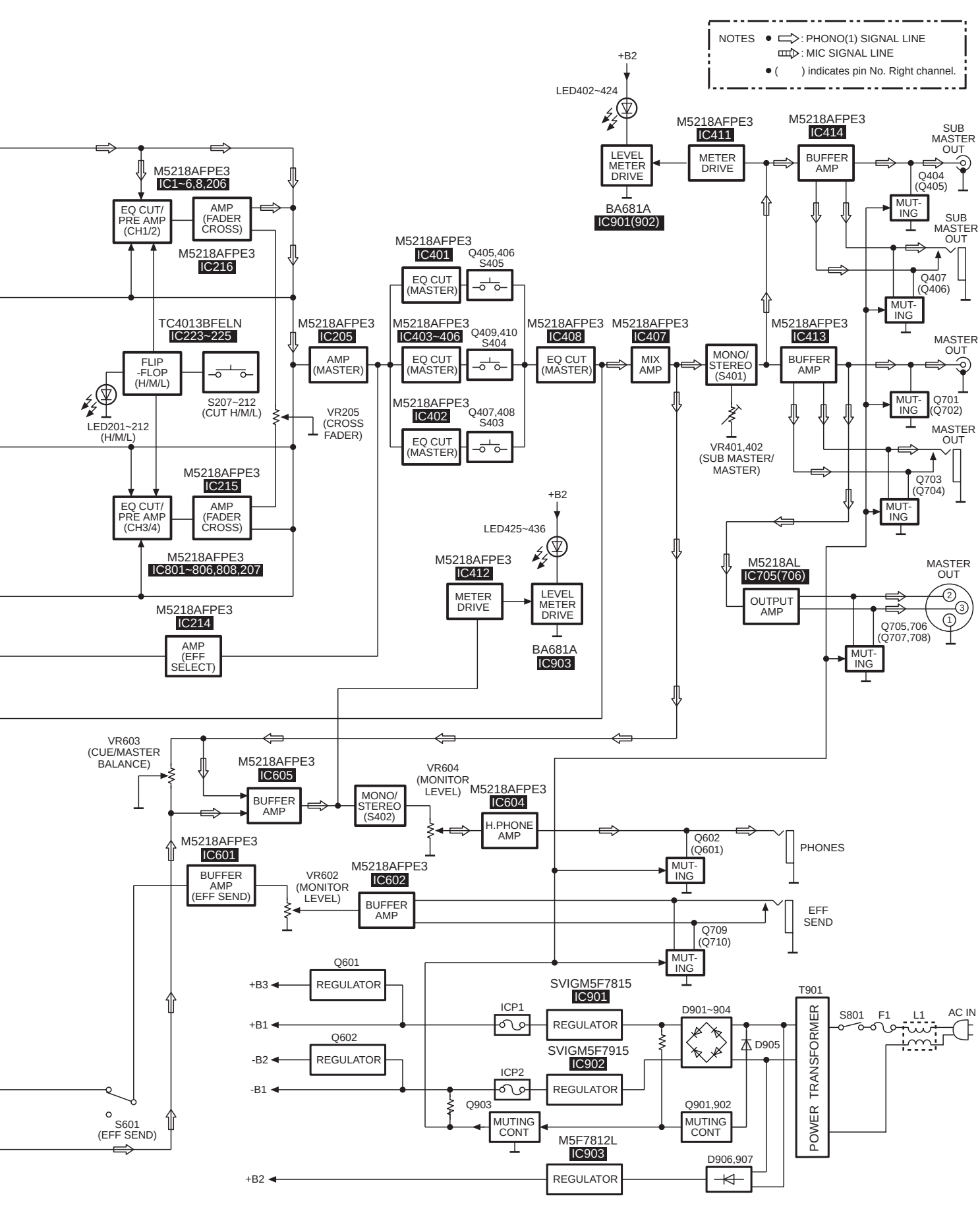

M5220FPE1
IC101
PHONO
EQ AMP
S101
(PHONO/LINE)
CH1
PHONO
LINE
IN
VR101
(TRIM)
M5218AFPE3
IC102~108
TONE AMP
(H/M/L)
VR105
(BALANCE)
M5218AFPE3
IC201
FADER
AMP
VR201
(CH FADER)
S201
(CROSS
FADER)
Q1,2
SWITCH-
ING
+B3
BU4066BCF-E2
IC209
SWITCH-
ING
D201
D203
S202
(CROSS
FADER)
CH2
M5218AFPE3
IC202
BU4066BCF-E2
IC210
CH3
M5218AFPE3
IC203
BU4066BCF-E2
IC211
D205
S203
(CROSS
FADER)
D207
CH4
M5218AFPE3
IC204
BU4066BCF-E2
IC212
SVIGM5220L
IC501
MIC
AMP
SVIGM5220L
IC701(1/2)
M5218AFPE3
IC502~504
VR504
(MIC LEVEL)
M5218AFPE3
IC505
PAN
AMP
VR505
(PAN)
MIC
M5218AL
IC702
EFF
RETURN
M5218AFPE3
IC603
BUFFER
AMP
VR602
(EFF RETURN)
LED201~204
Q204~207
LED
DRIVE
+B2
1
2
3
4
EFF
1~4
MIC
CUE
SELECT(S204)
EFF
SELECT(S205)
Q215,216
(Q217,218)
M5218AFPE3
IC222
MIX
AMP
M5218AFPE3
IC606
BUFFER
AMP

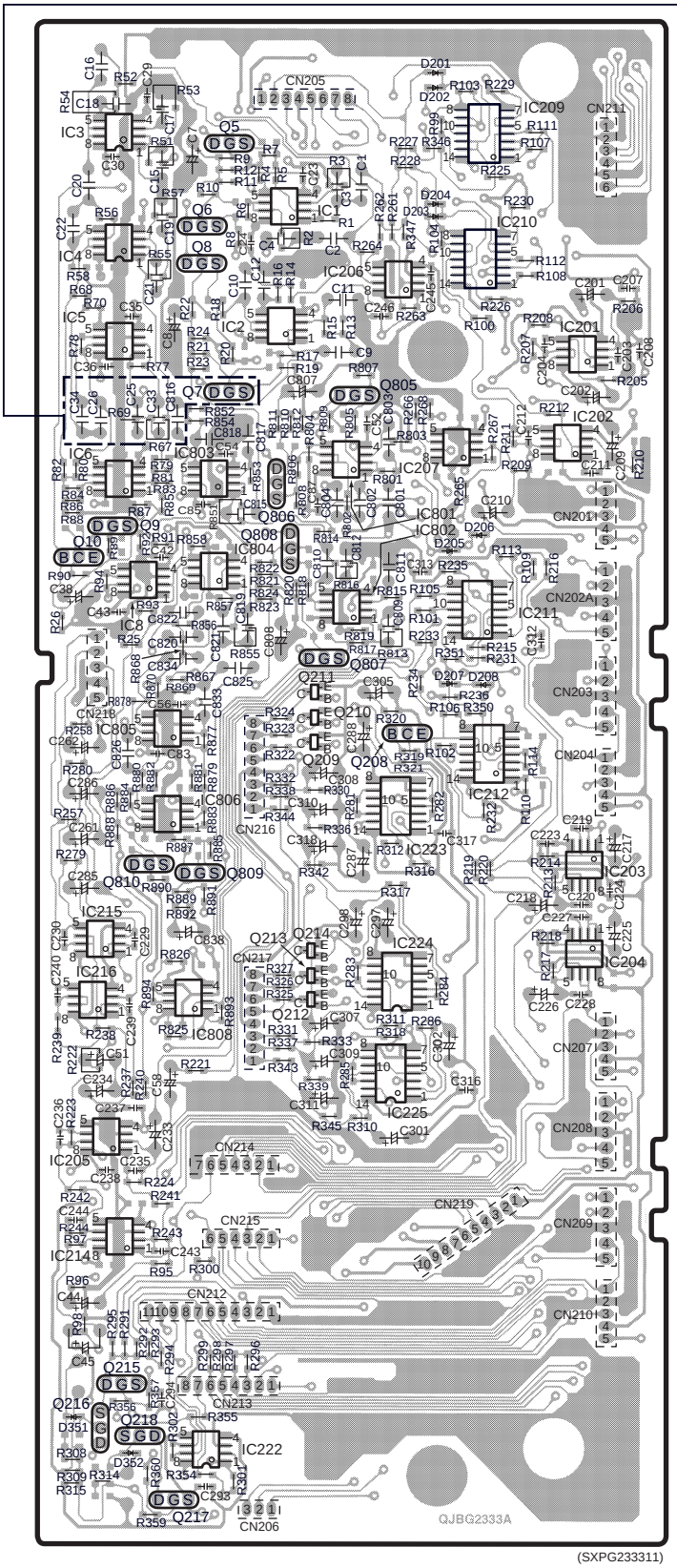

NOTES
: PHONO(1) SIGNAL LINE
: MIC SIGNAL LINE
( ) indicates pin No. Right channel.
+B2
LED402~424
LEVEL METER DRIVE
BA681A
IC901(902)
M5218AFPE3
IC411
METER DRIVE
M5218AFPE3
IC414
BUFFER AMP
SUB MASTER OUT
Q404 (Q405)
MUT-ING
SUB MASTER OUT
Q407 (Q406)
MUT-ING
M5218AFPE3
IC1~6,8,206
EQ CUT/ PRE AMP (CH1/2)
AMP (FADER CROSS)
M5218AFPE3
IC216
M5218AFPE3
IC401
Q405,406
S405
EQ CUT (MASTER)
TC4013BFELN
IC223~225
FLIP -FLOP (H/M/L)
S207~212 (CUT H/M/L)
LED201~212 (H/M/L)
M5218AFPE3
IC205
AMP (MASTER)
VR205 (CROSS FADER)
M5218AFPE3
IC403~406
Q409,410
S404
EQ CUT (MASTER)
M5218AFPE3
IC402
Q407,408
S403
EQ CUT (MASTER)
M5218AFPE3
IC408
EQ CUT (MASTER)
M5218AFPE3
IC407
MIX AMP
MONO/ STEREO (S401)
VR401,402 (SUB MASTER/ MASTER)
M5218AFPE3
IC413
BUFFER AMP
MASTER OUT
MUT-ING
Q701 (Q702)
MASTER OUT
Q703 (Q704)
MUT-ING
M5218AFPE3
IC215
EQ CUT/ PRE AMP (CH3/4)
AMP (FADER CROSS)
M5218AFPE3
IC801~806,808,207
M5218AFPE3
IC214
AMP (EFF SELECT)
+B2
LED425~436
M5218AFPE3
IC412
METER DRIVE
LEVEL METER DRIVE
BA681A
IC903
M5218AL
IC705(706)
OUTPUT AMP
MASTER OUT
Q705,706 (Q707,708)
MUT-ING
VR603 (CUE/MASTER BALANCE)
M5218AFPE3
IC605
BUFFER AMP
MONO/ STEREO (S402)
VR604 (MONITOR LEVEL)
M5218AFPE3
IC604
H.PHONE AMP
Q602 (Q601)
MUT-ING
PHONES
M5218AFPE3
IC601
BUFFER AMP (EFF SEND)
VR602 (MONITOR LEVEL)
M5218AFPE3
IC602
BUFFER AMP
EFF SEND
Q709 (Q710)
MUT-ING
Q601
+B3
REGULATOR
SVIGM5F7815
IC901
ICP1
+B1
REGULATOR
D901~904
D905
T901
POWER TRANSFORMER
S801
F1
L1
AC IN
Q602
-B2
REGULATOR
SVIGM5F7915
IC902
ICP2
-B1
REGULATOR
Q903
MUTING CONT
Q901,902
MUTING CONT
M5F7812L
IC903
+B2
REGULATOR
D906,907
S601 (EFF SEND)

Note: This printed circuit board diagram may be modified at any time with the development of new technology.

※Tilt the parts in the direction of arrows as follows:
Q7,C25,C26,C33,C34 and C816

C34 C26 C25 C33 C816 Q7

K MAIN P.C.B. (SIDE : A)



(SXPG233311)

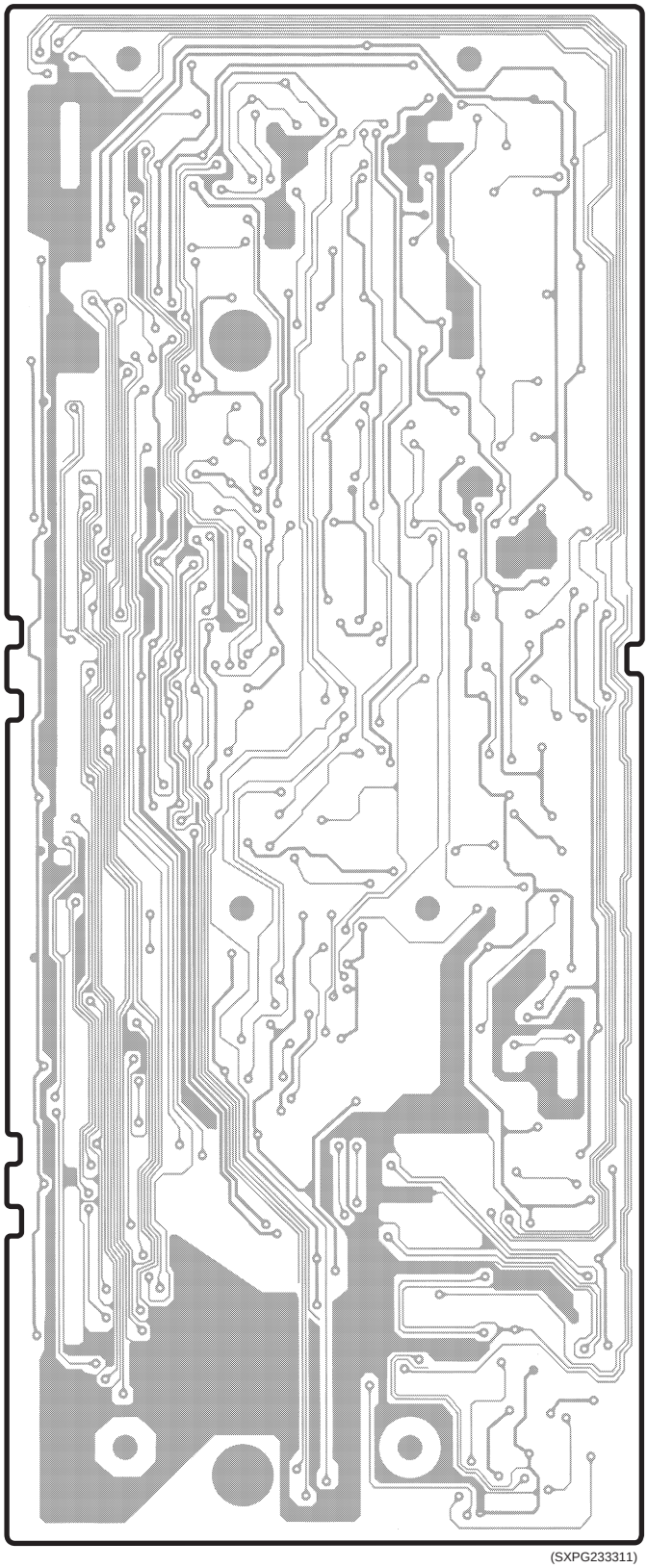
■ELECTRICAL PARTS LOCATION

Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.
K MAIN P.C.B. (SIDE: A)									
IC1	2B	R7	2B	R225	2C	R360	8A	C51	6A
IC2	3B	R8	2B	R226	3C	R801	3C	C52	3C
IC3	2A	R9	2B	R227	2C	R802	4B	C54	3B
IC4	2A	R10	2B	R228	2C	R803	3C	C56	4B
IC5	3A	R11	2B	R229	2C	R804	3B	C58	6B
IC6	3A	R12	2B	R230	2C	R805	3B	C83	5B
IC8	4A	R13	3B	R231	4C	R806	3B	C85	4B
IC201	3D	R14	3B	R232	5C	R807	3B	C87	4B
IC202	3C	R15	3B	R233	4C	R808	4B	C201	3D
IC203	5D	R16	3B	R234	4C	R809	3B	C202	3D
IC204	6D	R17	3B	R235	4C	R810	3B	C203	3D
IC205	7A	R18	3B	R236	4C	R811	3B	C204	3C
IC206	2C	R19	3B	R237	6A	R812	3B	C207	3D
IC207	3C	R20	3B	R238	6A	R813	4C	C208	3D
IC209	2C	R21	3B	R239	6A	R814	4B	C209	3D
IC210	2C	R22	3B	R240	6A	R815	4C	C210	4C
IC211	4C	R23	3B	R241	7B	R816	4B	C211	3D
IC212	5C	R24	3B	R242	7A	R817	4B	C212	3C
IC214	7A	R25	4A	R243	7B	R818	4B	C217	5D
IC215	6A	R26	4A	R244	7A	R819	4B	C218	5C
IC216	6A	R51	2B	R257	5A	R820	4B	C219	5D
IC222	8B	R52	2A	R258	5A	R821	4B	C220	5D
IC223	5C	R53	2B	R261	2C	R822	4B	C223	5C
IC224	6C	R54	2A	R262	2C	R823	4B	C224	5D
IC225	6C	R55	2B	R263	3C	R824	4B	C225	6D
IC801	3B	R56	2A	R264	2C	R825	6B	C226	6C
IC802	4B	R57	2B	R265	3C	R826	6B	C227	5C
IC803	3B	R58	2A	R266	3C	R851	4B	C228	6C
IC804	4B	R67	3B	R267	3C	R852	3B	C229	6A
IC805	5B	R68	3A	R268	3C	R853	3B	C230	6A
IC806	5B	R69	3A	R279	5A	R854	3B	C233	7B
IC808	6B	R70	3A	R280	5A	R855	4B	C234	6A
Q5	2B	R77	3B	R281	5B	R856	4B	C235	7A
Q6	2B	R78	3A	R282	5C	R857	4B	C236	7A
Q7	3B	R79	3B	R283	6B	R858	4B	C237	6A
Q8	2B	R80	3A	R284	6C	R867	4B	C238	7A
Q9	4A	R81	3B	R285	6B	R868	4B	C239	6A
Q10	4A	R82	3A	R286	6C	R869	4B	C240	6A
Q208	5C	R83	3B	R291	8A	R870	4B	C243	7B
Q209	5B	R84	3A	R292	8A	R877	5B	C244	7A
Q210	5B	R85	4B	R293	8A	R878	4A	C245	2C
Q211	4B	R86	4A	R294	8B	R879	5B	C246	3C
Q212	6B	R87	4A	R295	8A	R880	5A	C261	5A
Q213	6B	R88	4A	R296	8B	R881	5B	C262	5A
Q214	6B	R89	4A	R297	8B	R882	5B	C285	5A
Q215	8A	R90	4A	R298	8B	R883	5B	C286	5A
Q216	8A	R91	4B	R299	8B	R884	5A	C287	5C
Q217	8B	R92	4A	R300	7B	R885	5B	C288	5C
Q218	8A	R93	4A	R301	8B	R886	5A	C293	8B
Q805	3B	R94	4A	R302	8B	R887	5B	C294	8B
Q806	3B	R95	7B	R308	8A	R888	5A	C297	6C
Q807	4B	R96	7A	R309	8A	R889	5B	C298	6B
Q808	4B	R97	7A	R310	6B	R890	5B	C301	7C
Q809	5B	R98	7A	R311	6C	R891	5B	C302	6C
Q810	5A	R99	2C	R312	5C	R892	5B	C305	4C
D201	1C	R100	3C	R314	8A	R893	6B	C307	6B
D202	2C	R101	4C	R315	8A	R894	6B	C308	5B
D203	2C	R102	5C	R316	5C	C1	2B	C309	6B
D204	2C	R103	2C	R317	5C	C2	2B	C310	5B
D205	4C	R104	2C	R318	6C	C3	2B	C311	6B
D206	4C	R105	4C	R319	5C	C4	2B	C312	4C
D207	4C	R106	5C	R320	5C	C7	2B	C313	4C
D208	4C	R107	2C	R321	5C	C8	3B	C316	6C
D351	8A	R108	2C	R322	5B	C9	3B	C317	5C
D352	8A	R109	4C	R323	5B	C10	2B	C318	5B
CN201	4D	R110	5C	R324	5B	C11	3B	C801	4C
CN202A	4D	R111	2C	R325	6B	C12	2B	C802	4B
CN203	4D	R112	2C	R326	6B	C15	2B	C803	3C
CN204	5D	R113	4C	R327	6B	C16	1A	C804	4B
CN205	2B	R114	5C	R330	5B	C17	2B	C805	3B
CN206	8B	R205	3D	R331	6B	C18	2A	C807	3B
CN207	6D	R206	3D	R332	5B	C19	2B	C808	4B
CN208	6D	R207	3C	R333	6B	C20	2A	C809	4C
CN209	7D	R208	3C	R336	5B	C21	2B	C810	4B
CN210	7D	R209	3C	R337	6B	C22	2A	C811	4C
CN211	2D	R210	3D	R338	5B	C23	2B	C812	4B
CN212	7B	R211	3C	R339	6B	C24	2B	C815	4B
CN213	8B	R212	3C	R342	5B	C25	3A	C816	3B
CN214	7B	R213	5C	R343	6B	C26	3A	C817	3B
CN215	7B	R214	5C	R344	5B	C29	2A	C818	3B
CN216	5B	R215	4C	R345	6B	C30	2A	C819	4B
CN217	6B	R216	4C	R346	2C	C33	3B	C820	4B
CN218	4A	R217	6C	R347	2C	C34	3A	C821	4B
CN219	7C	R218	6C	R350	5C	C35	3A	C822	4B
R1	2B	R219	5C	R351	4C	C36	3A	C825	4B
R2	2B	R220	5C	R354	8B	C38	4A	C826	5A
R3	2B	R221	6B	R355	8B	C42	4B	C833	4B
R4	2B	R222	6A	R356	8A	C43	4A	C834	4B
R5	2B	R223	7A	R357	8A	C44	7A	C838	6B
R6	2B	R224	7A	R359	8A	C45	7A		

A B C D E F

1 2 3 4 5 6 7 8

K MAIN P.C.B. (SIDE : B)



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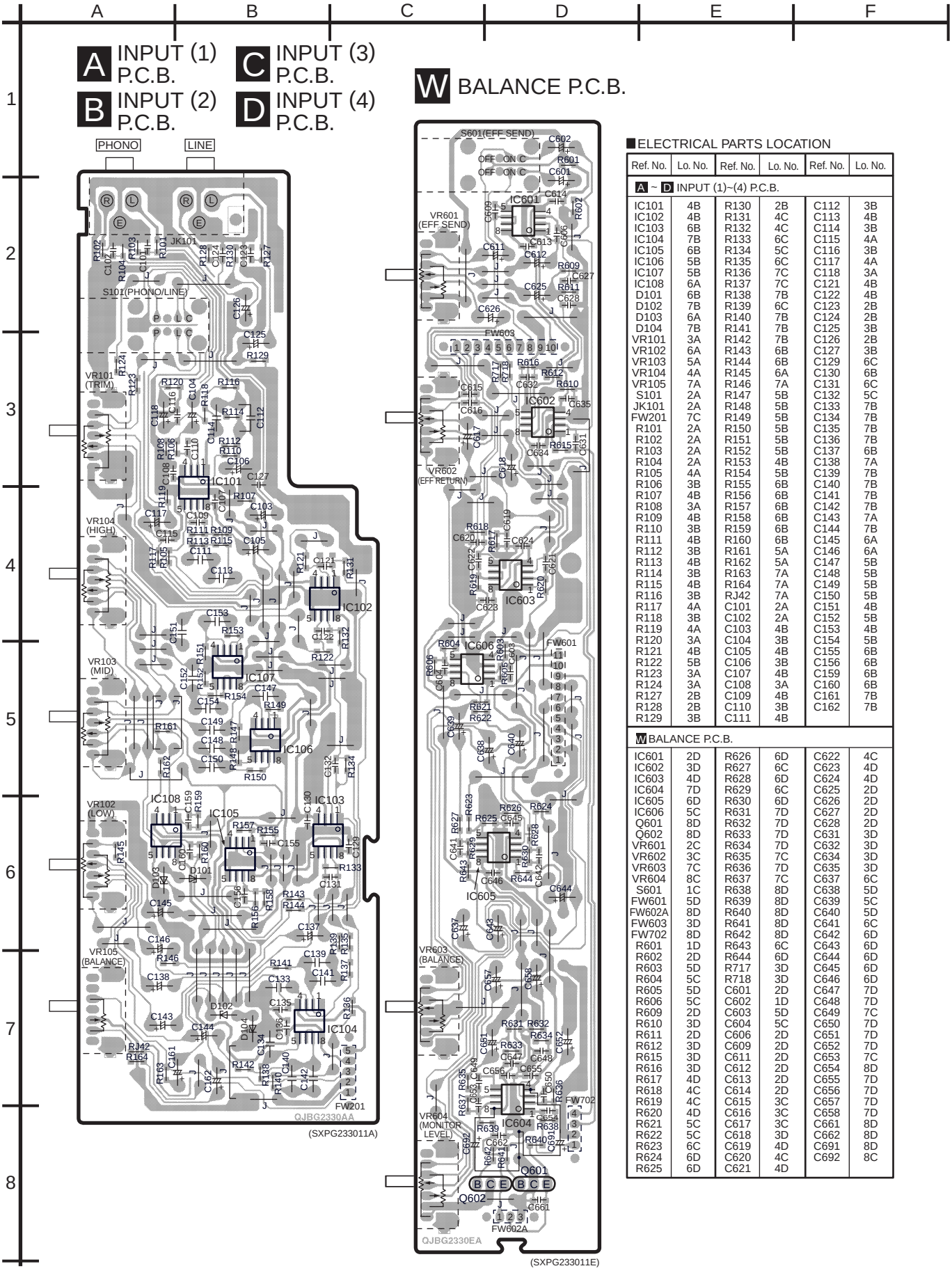
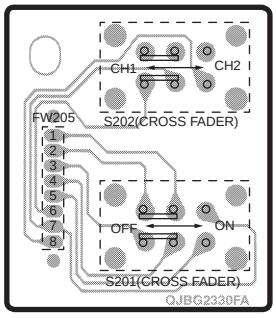


■ELECTRICAL PARTS LOCATION

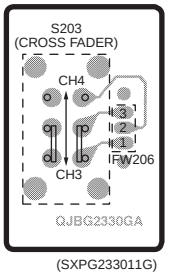
Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.
A ~ D INPUT (1)~(4) P.C.B.					
IC101	4B	R130	2B	C112	3B
IC102	4B	R131	4C	C113	4B
IC103	6B	R132	4C	C114	3B
IC104	7B	R133	6C	C115	4A
IC105	6B	R134	5C	C116	3B
IC106	5B	R135	6C	C117	4A
IC107	5B	R136	7C	C118	3A
IC108	6A	R137	7C	C121	4B
D101	6B	R138	7B	C122	4B
D102	7B	R139	6C	C123	2B
D103	6A	R140	7B	C124	2B
D104	7B	R141	7B	C125	3B
VR101	3A	R142	7B	C126	2B
VR102	6A	R143	6B	C127	3B
VR103	5A	R144	6B	C129	6C
VR104	4A	R145	6A	C130	6B
VR105	7A	R146	7A	C131	6C
S101	2A	R147	5B	C132	5C
JK101	2A	R148	5B	C133	7B
FW201	7C	R149	5B	C134	7B
R101	2A	R150	5B	C135	7B
R102	2A	R151	5B	C136	7B
R103	2A	R152	5B	C137	6B
R104	2A	R153	4B	C138	7A
R105	4A	R154	5B	C139	7B
R106	3B	R155	6B	C140	7B
R107	4B	R156	6B	C141	7B
R108	3A	R157	6B	C142	7B
R109	4B	R158	6B	C143	7A
R110	3B	R159	6B	C144	7B
R111	4B	R160	6B	C145	6A
R112	3B	R161	5A	C146	6A
R113	4B	R162	5A	C147	5B
R114	3B	R163	7A	C148	5B
R115	4B	R164	7A	C149	5B
R116	3B	RJ42	7A	C150	5B
R117	4A	C101	2A	C151	4B
R118	3B	C102	2A	C152	5B
R119	4A	C103	4B	C153	4B
R120	3A	C104	3B	C154	5B
R121	4B	C105	4B	C155	6B
R122	5B	C106	3B	C156	6B
R123	3A	C107	4B	C159	6B
R124	3A	C108	3A	C160	6B
R127	2B	C109	4B	C161	7B
R128	2B	C110	3B	C162	7B
R129	3B	C111	4B		
W BALANCE P.C.B.					
IC601	2D	R626	6D	C622	4C
IC602	3D	R627	6C	C623	4D
IC603	4D	R628	6D	C624	4D
IC604	7D	R629	6C	C625	2D
IC605	6D	R630	6D	C626	2D
IC606	5C	R631	7D	C627	2D
Q601	8D	R632	7D	C628	2D
Q602	8D	R633	7D	C631	3D
VR601	2C	R634	7D	C632	3D
VR602	3C	R635	7C	C634	3D
VR603	7C	R636	7D	C635	3D
VR604	8C	R637	7C	C637	6C
S601	1C	R638	8D	C638	5D
FW601	5D	R639	8D	C639	5C
FW602A	8D	R640	8D	C640	5D
FW603	3D	R641	8D	C641	6C
FW702	8D	R642	8D	C642	6D
R601	1D	R643	6C	C643	6D
R602	2D	R644	6D	C644	6D
R603	5D	R717	3D	C645	6D
R604	5C	R718	3D	C646	6D
R605	5D	C601	2D	C647	7D
R606	5C	C602	1D	C648	7D
R609	2D	C603	5D	C649	7C
R610	3D	C604	5C	C650	7D
R611	2D	C606	2D	C651	7D
R612	3D	C609	2D	C652	7D
R615	3D	C611	2D	C653	7C
R616	3D	C612	2D	C654	8D
R617	4D	C613	2D	C655	7D
R618	4C	C614	2D	C656	7D
R619	4C	C615	3C	C657	7D
R620	4D	C616	3C	C658	7D
R621	5C	C617	3C	C661	8D
R622	5C	C618	3D	C662	8D
R623	6C	C619	4D	C691	8D
R624	6D	C620	4C	C692	8C
R625	6D	C621	4D		

E CROSS FADER SW(A) P.C.B.



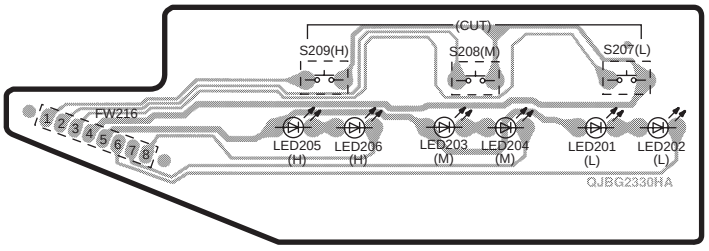
(SXPG233011F)

F CROSS FADER SW(B) P.C.B.



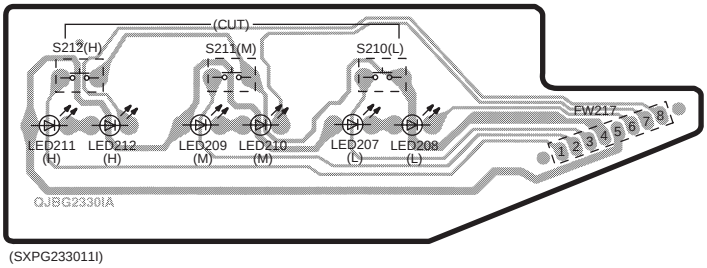
(SXPG233011G)

M CUT SW(A) P.C.B.



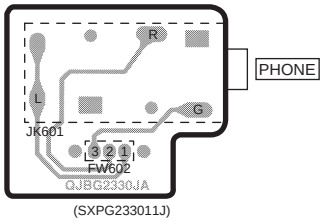
(SXPG233011H)

L CUT SW(B) P.C.B.



(SXPG233011I)

X HEADPHONES JACK P.C.B.



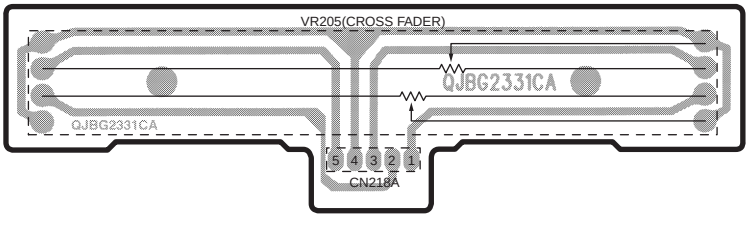
(SXPG233011J)

■ELECTRICAL PARTS LOCATION

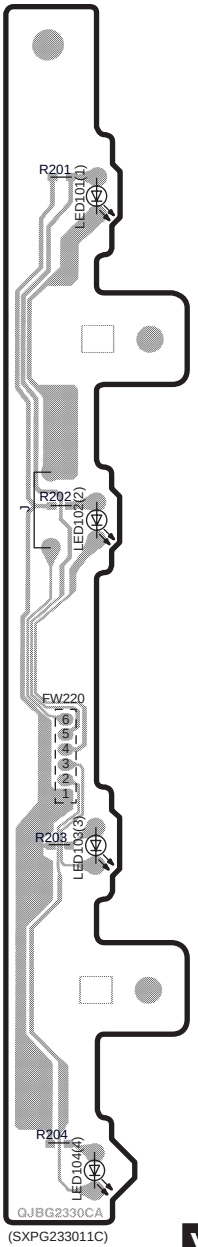
Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.
E CROSS FADER SW(A) P.C.B.					
S201	2B	S202	1B	FW205	2A
F CROSS FADER SW(B) P.C.B.					
S203	4A	FW206	4B		
M CUT SW(A) P.C.B.					
LED201 LED202 LED203 LED204	2F 2F 2E 2E	LED205 LED206 S207 S208	2D 2E 1F 1E	S209 FW216	1D 2C
L CUT SW(B) P.C.B.					
LED207 LED208 LED209 LED210	4E 4E 4D 4D	LED211 LED212 S210 S211	4C 4C 4E 4D	S212 FW217	4C 4F
X HEADPHONES JACK P.C.B.					
JK601	6D	FW602	6D		
N CROSS FADER P.C.B.					
VR205	8E	CN218	8E		

[Keeping to the rule of unit supply, we do not supply single parts.(RFKFHMX1200B)]

N CROSS FADER P.C.B.

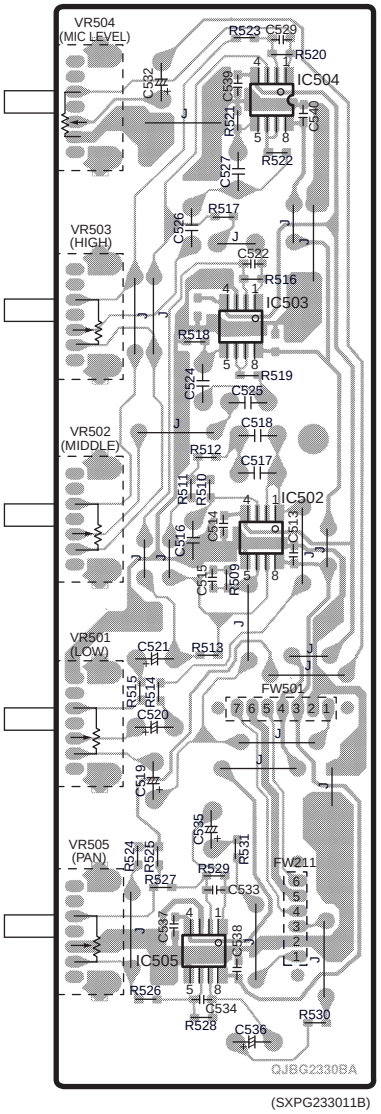


U CHANNEL VIEW P.C.B.



(SXPG233011C)

T MIC P.C.B.

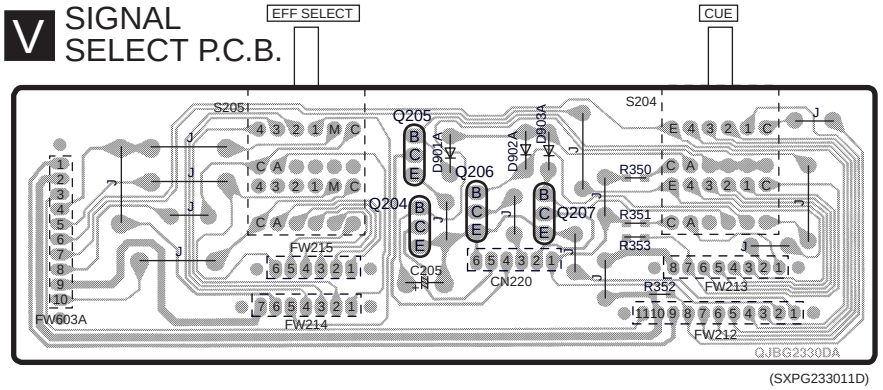


(SXPG233011B)

■ELECTRICAL PARTS LOCATION

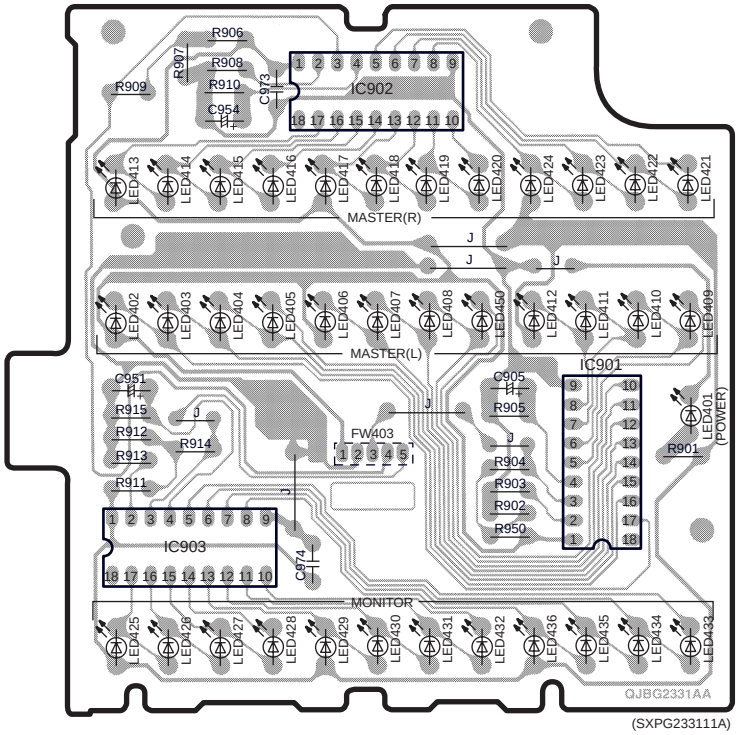
Ref. No.	Lo. No.	Ref. No.	Lo. No.
U CHANNEL VIEW P.C.B.			
LED101	2A	R201	2A
LED102	4A	R202	4A
LED103	5A	R203	5A
LED104	7A	R204	6A
FW220	5A		
T MIC P.C.B.			
IC502	4C	R527	5C
IC503	3C	R528	6C
IC504	2D	R529	5C
IC505	6C	R530	6D
VR501	5C	R531	5C
VR502	4C	C513	4D
VR503	3C	C514	4C
VR504	2C	C515	4C
VR505	5C	C516	4C
FW211	5D	C517	3C
FW501	4D	C518	3C
R509	4C	C519	5C
R510	3C	C520	5C
R511	3C	C521	4C
R512	3C	C522	2C
R513	4C	C524	3C
R514	4C	C525	3C
R515	4C	C526	2C
R516	3C	C527	2C
R517	2C	C529	1D
R518	3C	C532	2C
R519	3C	C533	5C
R520	2D	C534	6C
R521	2C	C535	5C
R522	2D	C536	6C
R523	1C	C537	5C
R524	5C	C538	6C
R525	5C	C539	2C
R526	6C	C540	2D
V SIGNAL SELECT P.C.B.			
Q204	8D	FW212	8E
Q205	7D	FW213	8E
Q206	8D	FW214	8C
Q207	8D	FW215	8C
D901A	7D	FW603A	8B
D902A	7D	R350	8E
D903A	7D	R351	8E
S204	7E	R352	8E
S205	7C	R353	8E
CN220	8D	C205	8D

V SIGNAL SELECT P.C.B.



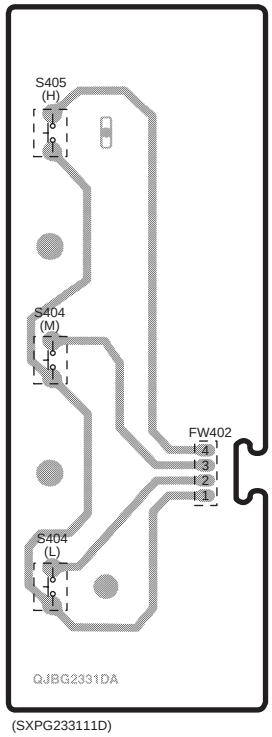
(SXPG233011D)

O LEVEL INDICATOR P.C.B.



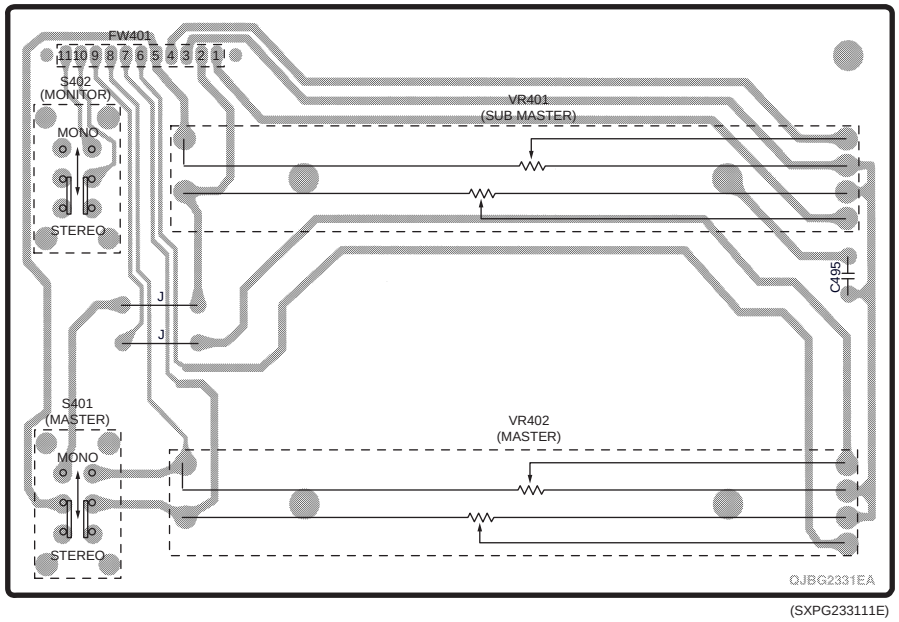
(SXPG233111A)

P MASTER CUT SW P.C.B.



(SXPG233111D)

R MASTER FADER P.C.B.

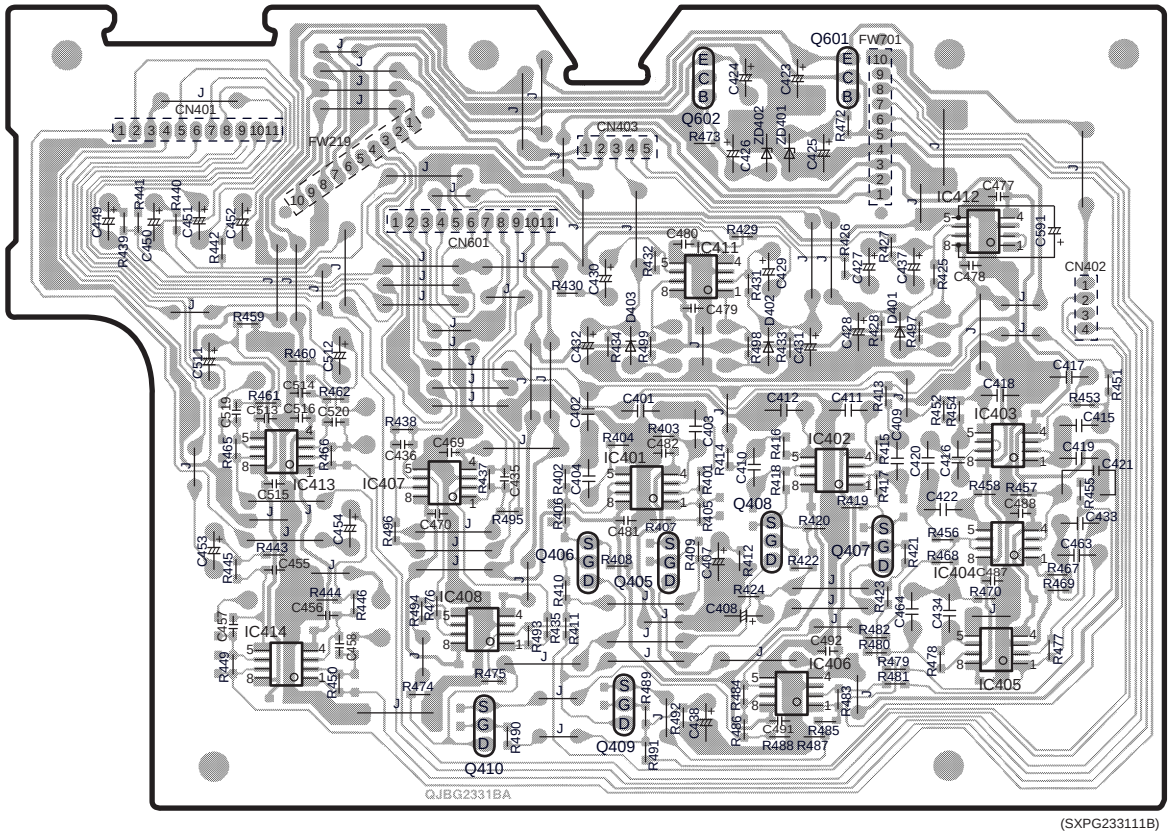


(SXPG233111E)

■ELECTRICAL PARTS LOCATION

Ref. No.	Lo. No.	Ref. No.	Lo. No.
O LEVEL INDICATOR P.C.B.			
IC901	3C	LED429	4B
IC902	2B	LED430	4B
IC903	4B	LED431	4C
LED401	3D	LED432	4C
LED402	3A	LED433	4D
LED403	3B	LED434	4D
LED404	3B	LED435	4C
LED405	3B	LED436	4C
LED406	3B	LED450	3C
LED407	3B	FW403	3B
LED408	3C	R901	3D
LED409	3D	R902	3C
LED410	3D	R903	3C
LED411	3C	R904	3C
LED412	3C	R905	3C
LED413	2A	R906	1B
LED414	2B	R907	1B
LED415	2B	R908	1B
LED416	2B	R909	2A
LED417	2B	R910	2B
LED418	2B	R911	3A
LED419	2C	R912	3A
LED420	2C	R913	3A
LED421	2D	R914	3B
LED422	2D	R915	3A
LED423	2C	R950	4C
LED424	2C	C905	3C
LED425	4A	C951	3A
LED426	4B	C954	2B
LED427	4B	C973	2B
LED428	4B	C974	4B
P MASTER CUT SW P.C.B.			
S403	4E	S405	2E
S404	3E	FW402	3E
R MASTER FADER P.C.B.			
VR401	6C	S402	6A
VR402	8C	FW401	6A
S401	8A	C495	7E

Q EQ CUT/MIX P.C.B.

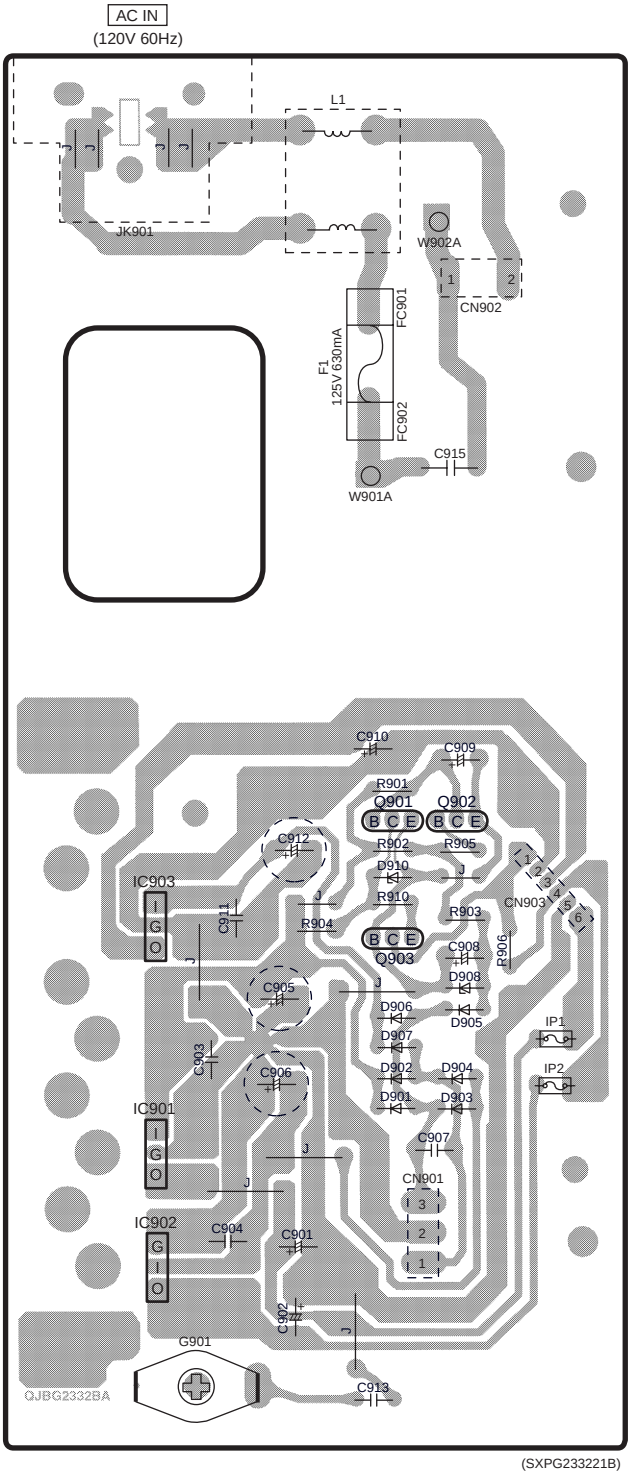


(SXPG233111B)

■ELECTRICAL PARTS LOCATION

Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.
Q EQ CUT/MIX P.C.B.													
IC401	4D	CN601	2C	R426	3E	R457	4E	R488	5D	C421	4F	C463	4F
IC402	3E	FW219	2B	R427	2E	R458	4E	R489	5D	C422	4E	C464	4E
IC403	3E	FW701	2E	R428	3E	R459	3B	R490	5C	C423	2D	C469	3C
IC404	4E	R401	4D	R429	2D	R460	3B	R491	5D	C424	2D	C470	4C
IC405	4E	R402	3C	R430	3C	R461	3B	R492	5D	C425	2E	C477	2E
IC406	4D	R403	3D	R431	3D	R462	3B	R493	4C	C426	2D	C478	3E
IC407	4C	R404	3D	R432	3D	R465	3B	R494	4C	C427	3E	C479	3D
IC408	4C	R405	4D	R433	3D	R466	3B	R495	4C	C428	3E	C480	2D
IC411	3D	R406	4C	R434	3D	R467	4F	R496	4C	C429	3D	C481	4D
IC412	2E	R407	4D	R435	4C	R468	4E	R497	3E	C430	3D	C482	3D
IC413	3B	R408	4D	R437	3C	R469	4F	R498	3D	C431	3D	C487	4E
IC414	4B	R409	4D	R438	3C	R470	4E	R499	3D	C432	3C	C488	4E
Q405	4D	R410	4C	R439	2A	R472	2E	C401	3D	C433	4F	C491	5D
Q406	4D	R411	4C	R440	2B	R473	2D	C402	3C	C434	4E	C492	4E
Q407	4E	R412	4D	R441	2A	R474	4C	C403	3D	C435	3C	C511	3B
Q408	4D	R413	3E	R442	2B	R475	4C	C404	3C	C436	3C	C512	3B
Q409	5D	R414	3D	R443	4B	R476	4C	C407	4D	C437	3E	C513	3B
Q410	5C	R415	3E	R444	4B	R477	4F	C408	4D	C438	5D	C514	3B
Q601	2E	R416	3D	R445	4B	R478	4E	C409	3E	C449	2A	C515	4B
Q602	2D	R417	4E	R446	4B	R479	4E	C410	3D	C450	2B	C516	3B
D401	3E	R418	4D	R449	4B	R480	4E	C411	3E	C451	2B	C519	3B
D402	3D	R419	4E	R450	4B	R481	4E	C412	3D	C452	2B	C520	3B
D403	3D	R420	4E	R451	3F	R482	4E	C415	3F	C453	4B	C591	2F
ZD401	2D	R421	4E	R452	3E	R483	4E	C416	3E	C454	4B		
ZD402	2D	R422	4D	R453	3F	R484	4D	C417	3F	C455	4B		
CN401	2B	R423	4E	R454	3E	R485	5E	C418	3E	C456	4B		
CN402	3F	R424	4D	R455	4F	R486	5D	C419	3F	C457	4B		
CN403	2D	R425	3E	R456	4E	R487	5E	C420	3E	C458	4B		

Z POWER SUPPLY P.C.B.

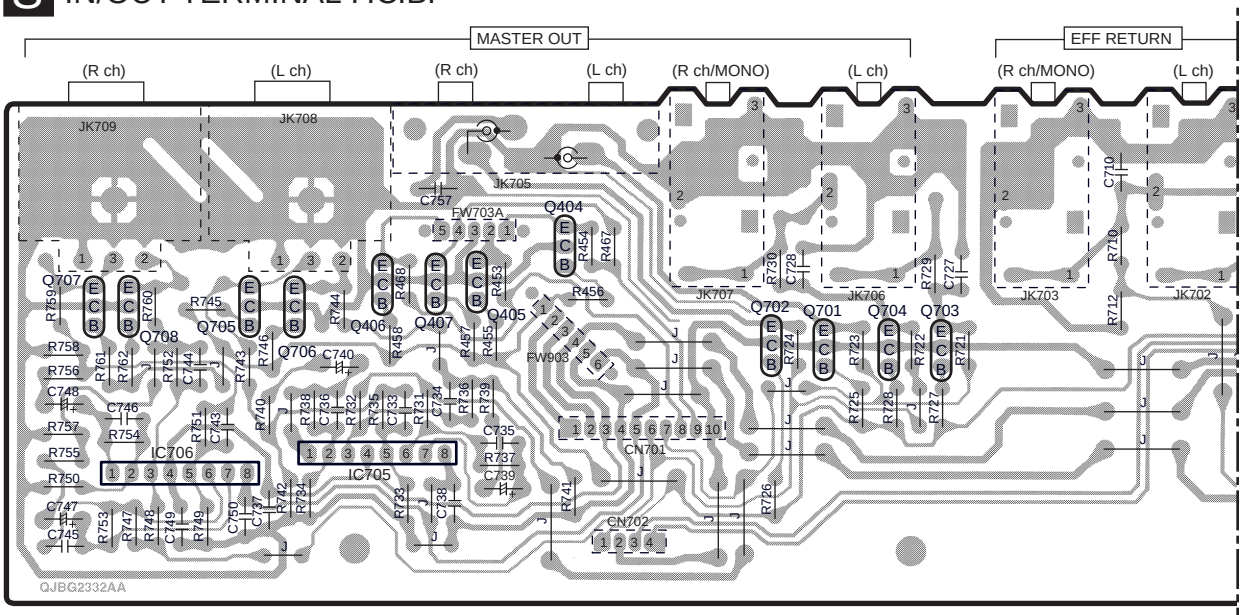


(SXPG233221B)

■ELECTRICAL PARTS LOCATION

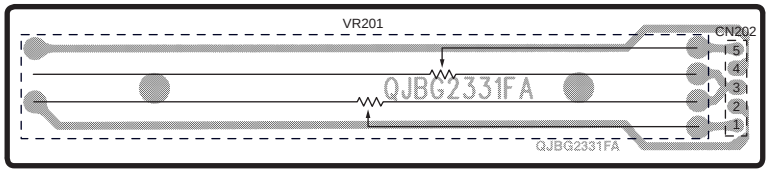
Ref. No.	Lo. No.	Ref. No.	Lo. No.
ZPOWER SUPPLY P.C.B.			
IC901	6A	IP2	6C
IC902	7B	W901A	3C
IC903	5B	W902A	2C
Q901	5C	G901	7B
Q902	5C	R901	5C
Q903	5C	R902	5C
D901	6C	R903	5C
D902	6C	R904	5B
D903	6C	R905	5C
D904	6C	R906	5C
D905	6C	R910	5C
D906	6C	C901	7B
D907	6C	C902	7B
D908	5C	C903	6B
D910	5C	C904	7B
L1	2B	C905	6B
F1	3C	C906	6B
CN901	7C	C907	6C
CN902	2C	C908	5C
CN903	5C	C909	4C
JK901	2B	C910	4C
FC901	2C	C911	5B
FC902	3C	C912	5B
E901	7B	C913	7C
IP1	6C	C915	3C

S IN/OUT TERMINAL P.C.B.

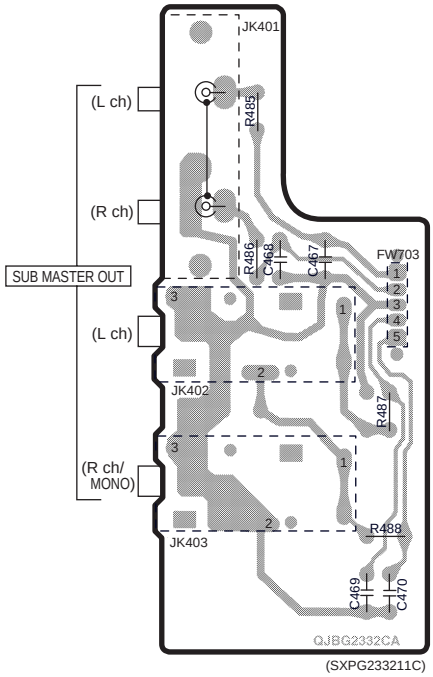


[Keeping to the rule of unit supply, we do not supply single parts.(RFKFHMX1200A)]

- G FADER (1) P.C.B.
- H FADER (2) P.C.B.
- I FADER (3) P.C.B.
- J FADER (4) P.C.B.

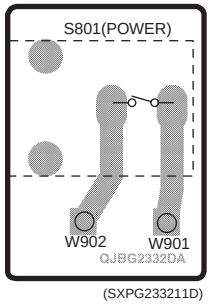


Y SUB MASTER OUTPUT P.C.B.

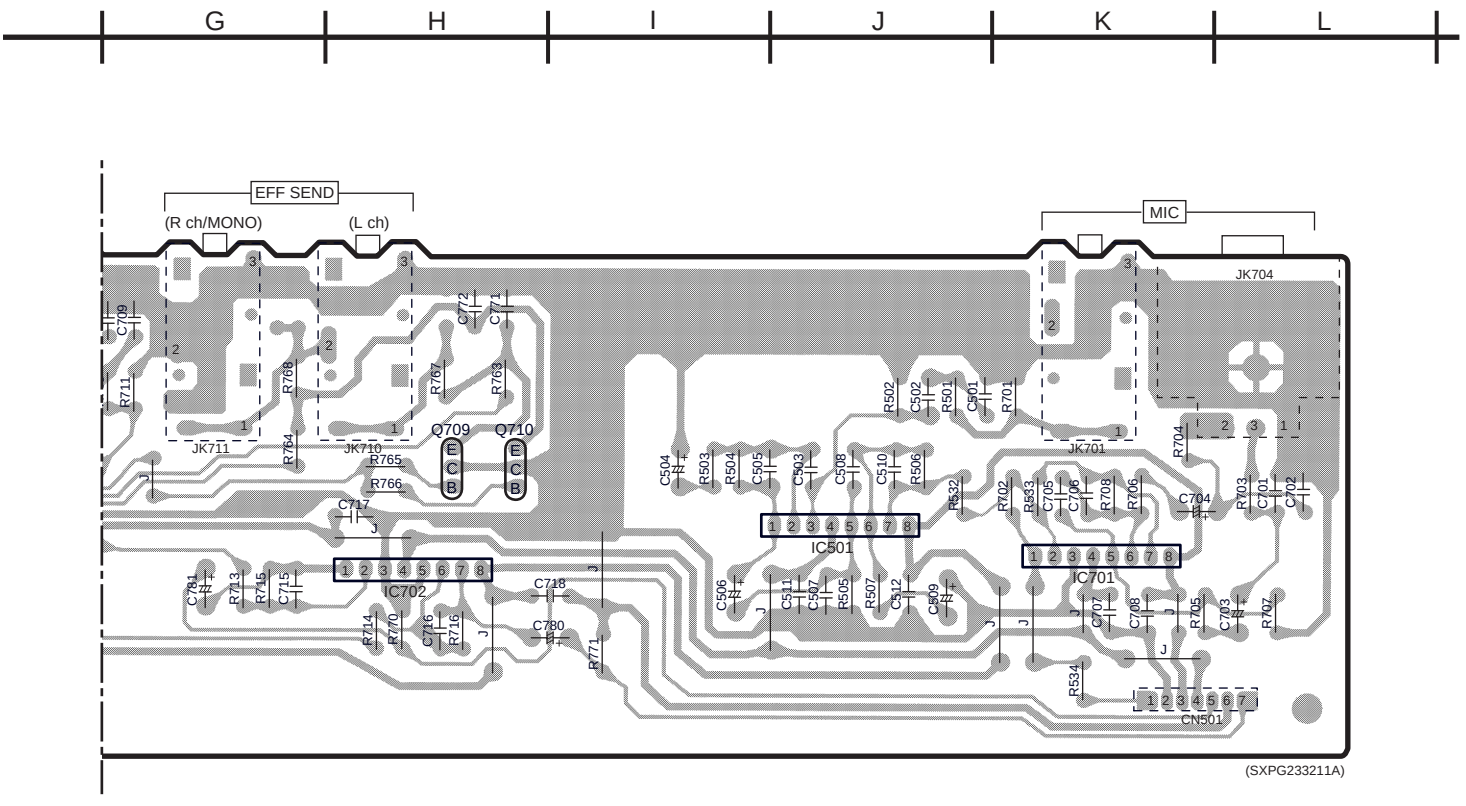


(SXPG233211C)

a POWER SUPPLY SW P.C.B.



(SXPG233211D)



■ELECTRICAL PARTS LOCATION

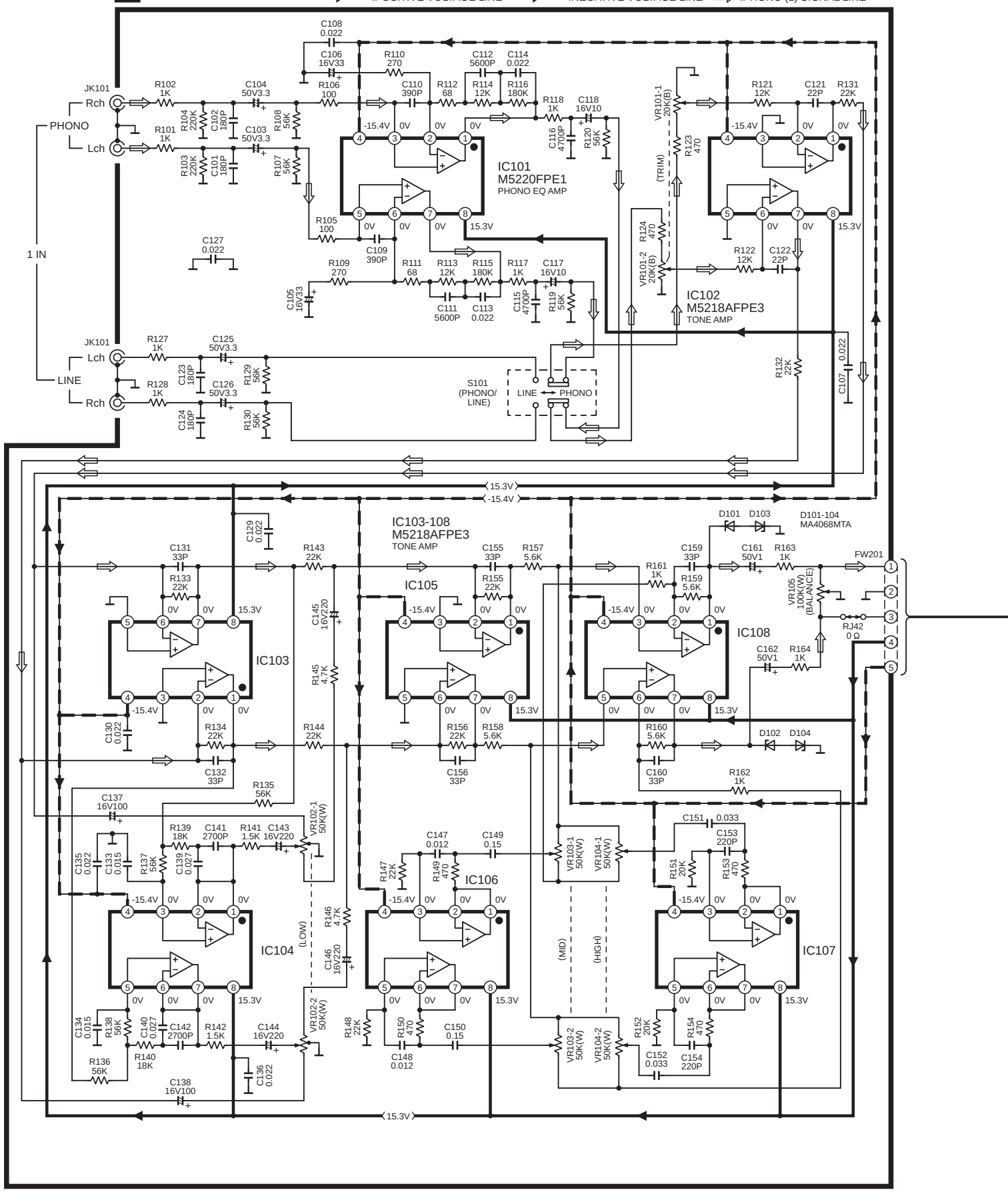
Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.	Ref. No.	Lo. No.
S IN/OUT TERMINAL P.C.B.															
IC501	3J	JK701	2K	R502	2J	R714	3H	R740	3B	R762	3B	C702	3L	C739	3C
IC701	3K	JK702	2F	R503	2I	R715	3G	R741	3D	R763	2H	C703	3L	C740	3B
IC702	3H	JK703	2F	R504	2I	R716	3H	R742	3B	R764	2G	C704	3K	C743	3B
IC705	3C	JK704	2L	R505	3J	R721	3E	R743	3B	R765	2H	C705	3K	C744	3B
IC706	3B	JK705	2C	R506	2J	R722	3E	R744	2B	R766	3H	C706	3K	C745	3A
Q404	2C	JK706	2E	R507	3J	R723	3E	R745	2B	R767	2H	C707	3K	C746	3A
Q405	2C	JK707	2D	R532	3J	R724	3E	R746	3B	R768	2G	C708	3K	C747	3A
Q406	2C	JK708	2B	R533	3K	R725	3E	R747	3B	R770	3H	C709	2G	C748	3A
Q407	2C	JK709	2A	R534	3K	R726	3D	R748	3B	R771	3I	C710	2F	C749	3B
Q701	3E	JK710	2H	R701	2K	R727	3E	R749	3B	C501	2J	C711	2G	C750	3B
Q702	3D	JK711	2G	R702	3K	R728	3E	R750	3A	C502	2J	C715	3G	C757	2C
Q703	3E	FW703A	2C	R703	3L	R729	2E	R751	3B	C503	2J	C716	3H	C771	2H
Q704	3E	FW903	3D	R704	2K	R730	2D	R752	3B	C504	2I	C717	3H	C772	2H
Q705	2B	R453	2C	R705	3K	R731	3C	R753	3A	C505	2I	C718	3I	C780	3I
Q706	2B	R454	2D	R706	3K	R732	3C	R754	3A	C506	3I	C727	2E	C781	3C
Q707	2A	R455	3C	R707	3L	R733	3C	R755	3A	C507	3J	C728	2E		
Q708	2B	R456	2D	R708	3K	R734	3B	R756	3A	C508	2J	C733	3C		
Q709	2H	R457	3C	R709	2G	R735	3C	R757	3A	C509	3J	C734	3C		
Q710	2H	R458	3C	R710	2F	R736	3C	R758	3A	C510	2J	C735	3C		
CN501	3K	R467	2D	R711	2G	R737	3C	R759	2A	C511	3J	C736	3B		
CN701	3D	R468	2C	R712	2F	R738	3B	R760	2B	C512	3J	C737	3B		
CN702	3D	R501	2J	R713	3G	R739	3C	R761	3A	C701	3L	C738	3C		
G ~ J FADER (1)~(2)															
VR201	5E	CN202	5F												
Y SUB MASTER OUTPUT P.C.B.															
JK401	6B	JK403	8B	R485	6B	R487	7C	C467	7B	C469	8C				
JK402	7B	FW703	7C	R486	7B	R488	8C	C468	7B	C470	8C				
a POWER SUPPLY SW P.C.B.															
S801	7E	W901	7E	W902	7E										

SCHEMATIC DIAGRAM–1

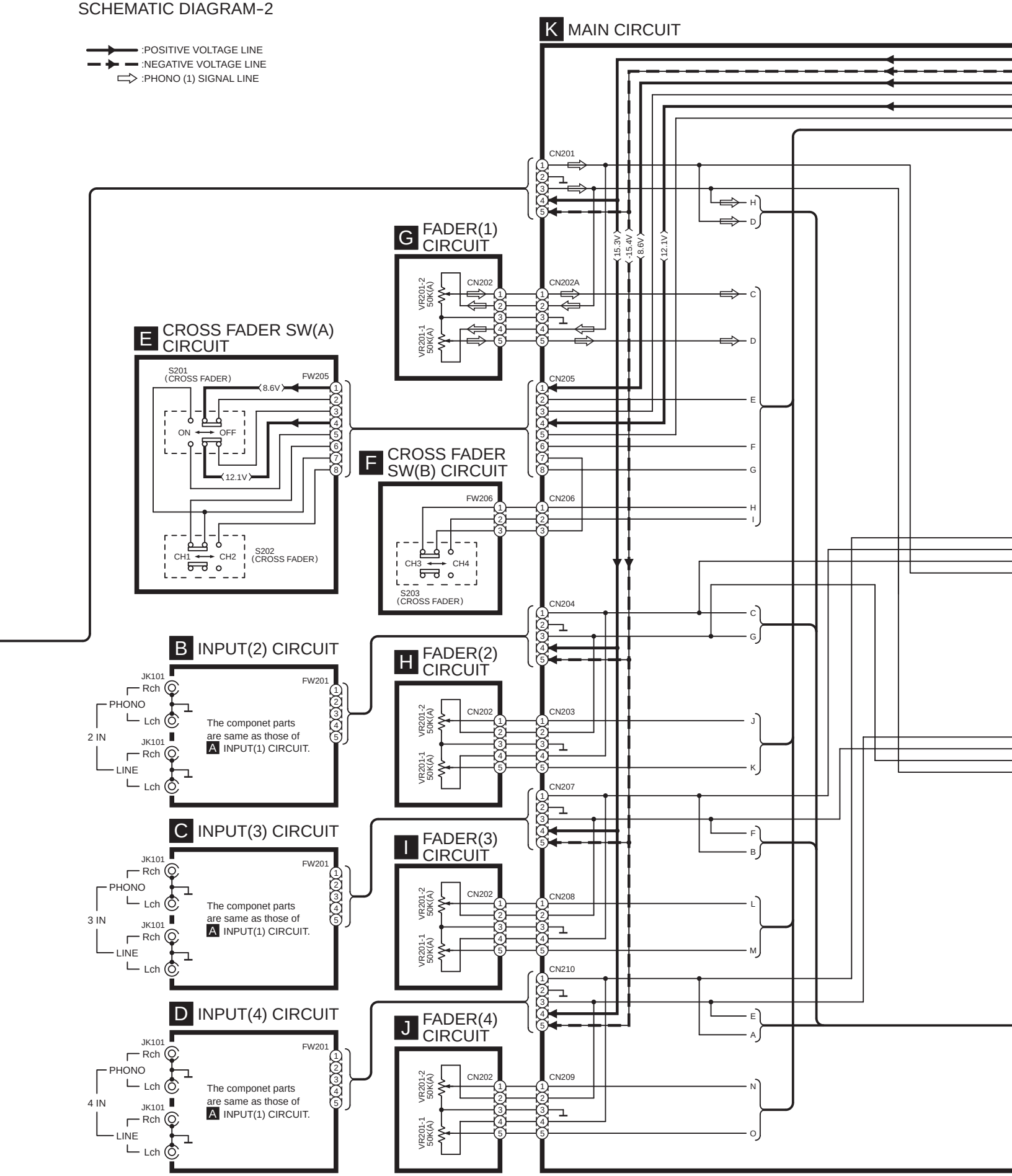
NOTE:
The number which noted at the connectors on the schematic diagram as
"SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2"
indicates the schematic diagram serial number located on the left corner in the schematic diagram.

A INPUT(1) CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE

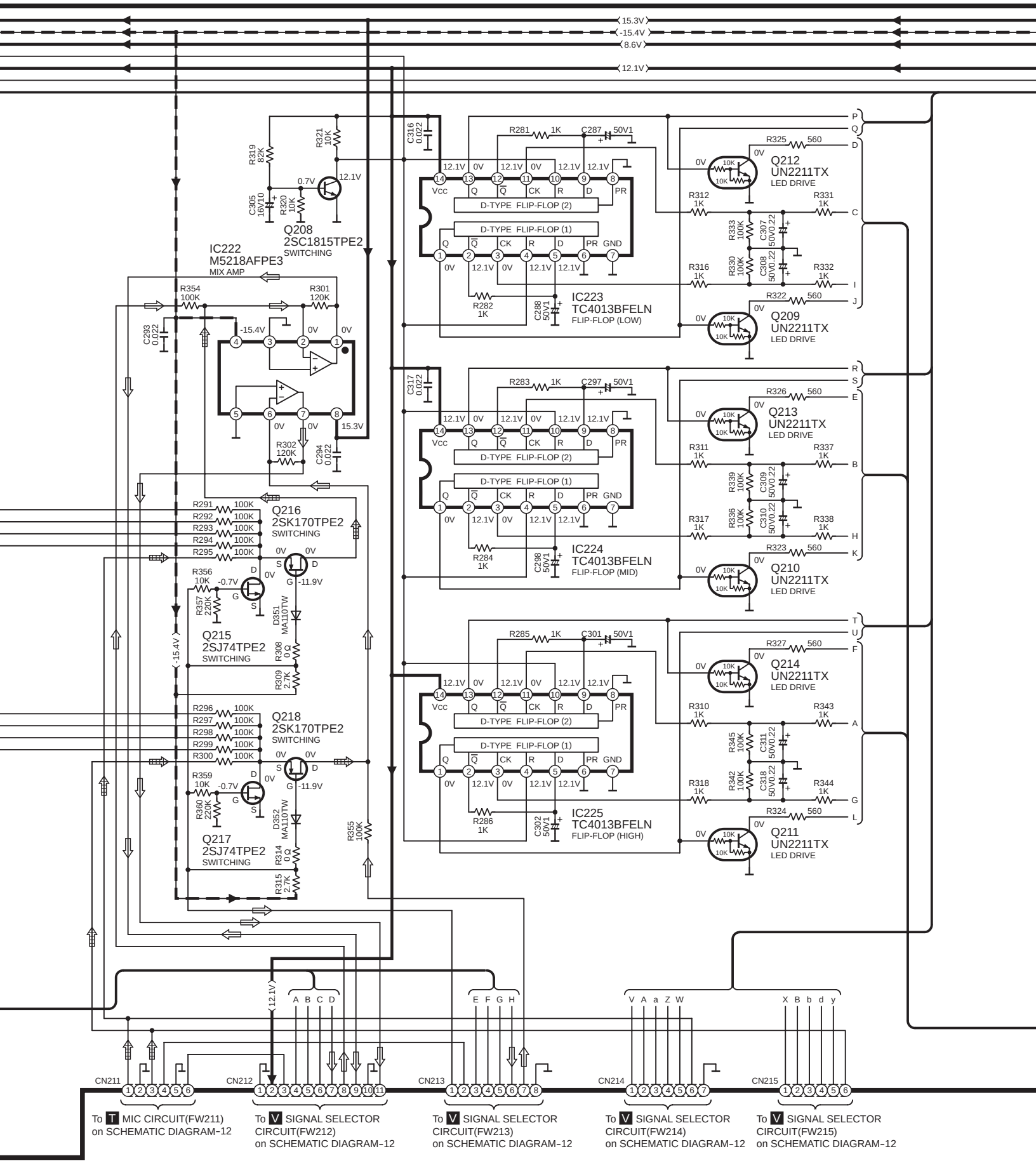


SCHEMATIC DIAGRAM–2



SCHEMATIC DIAGRAM–3

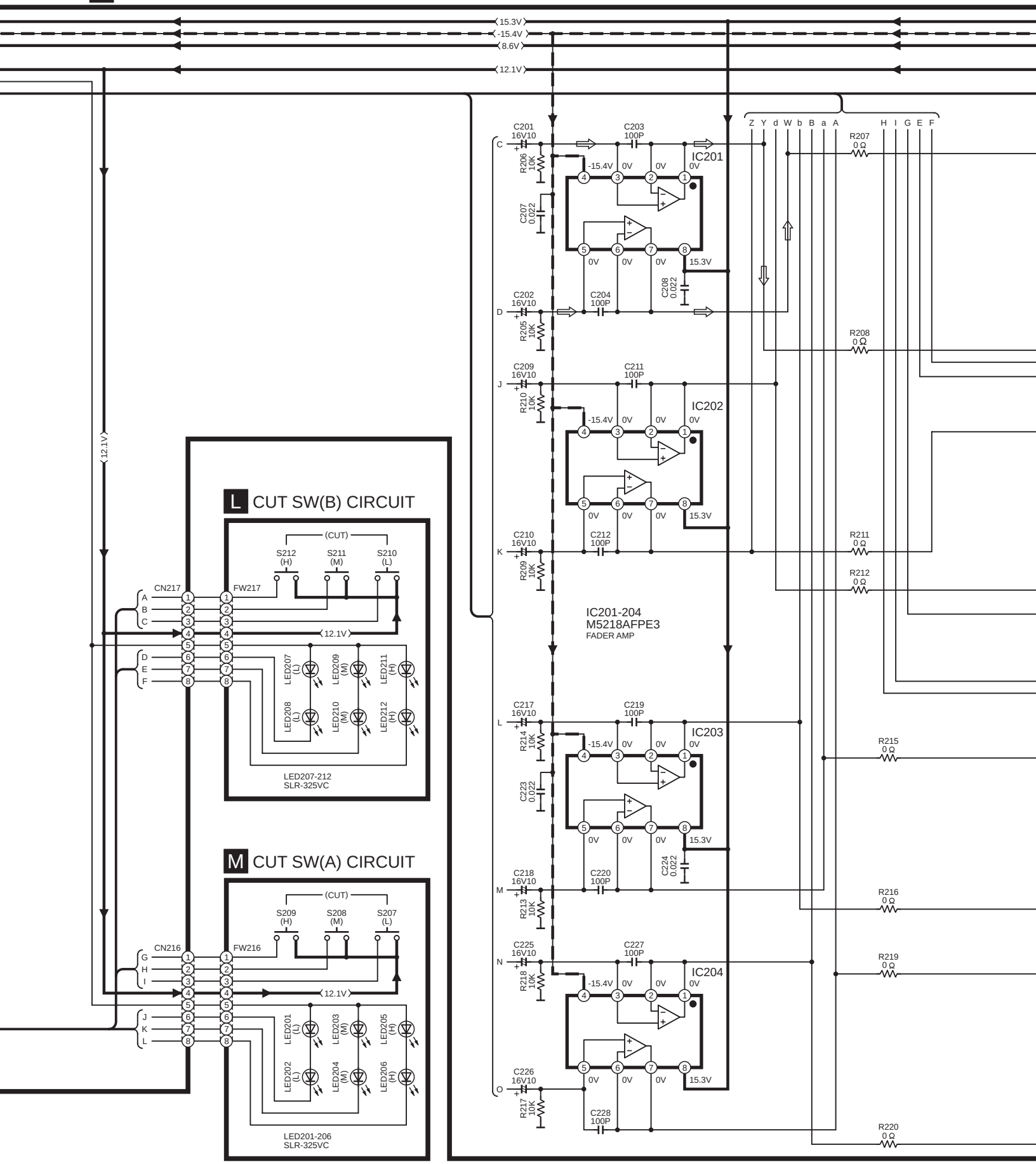
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE :MIC SIGNAL LINE



SCHEMATIC DIAGRAM–4

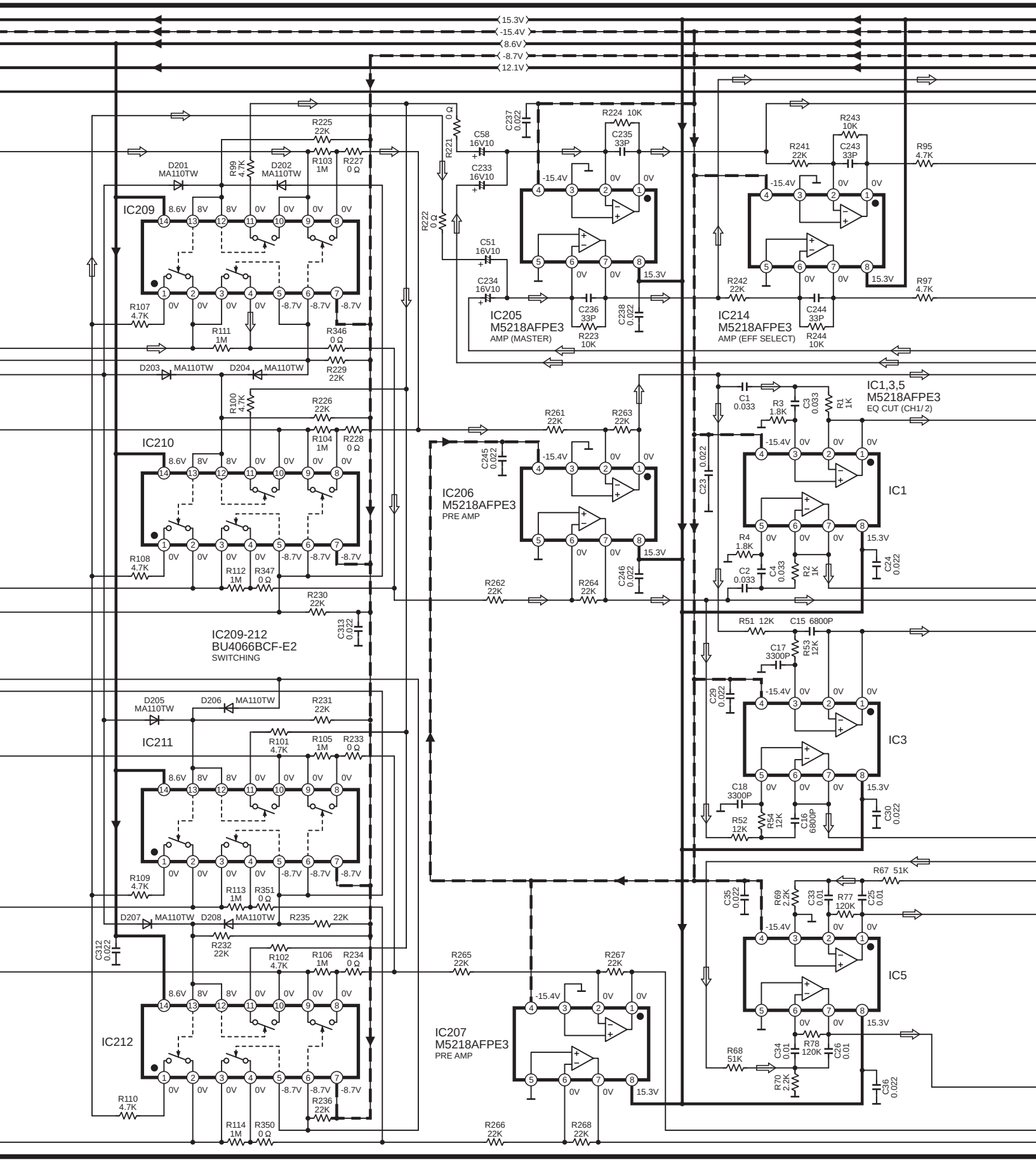
K MAIN CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE



SCHEMATIC DIAGRAM–5

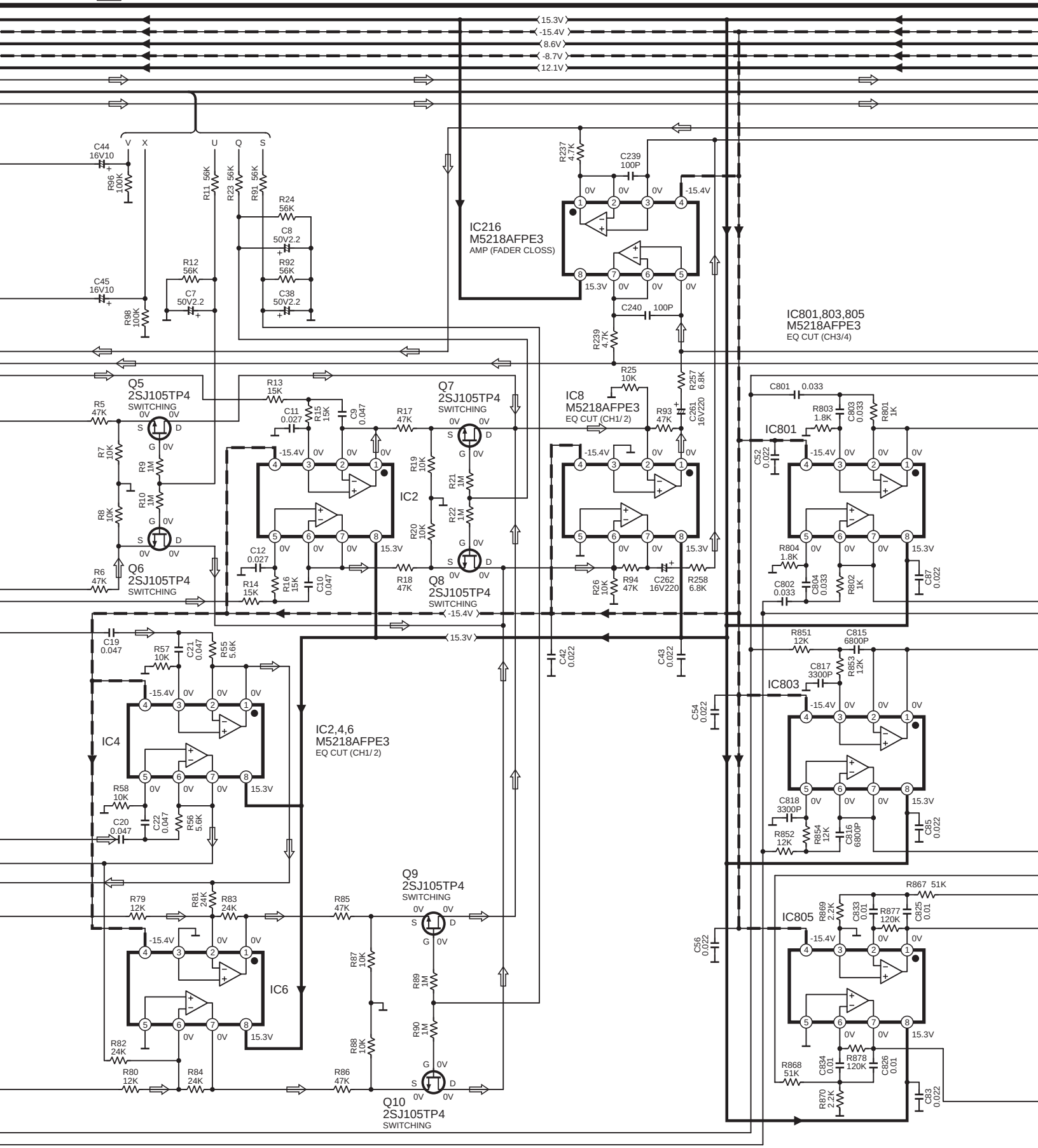
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE



SCHEMATIC DIAGRAM–6

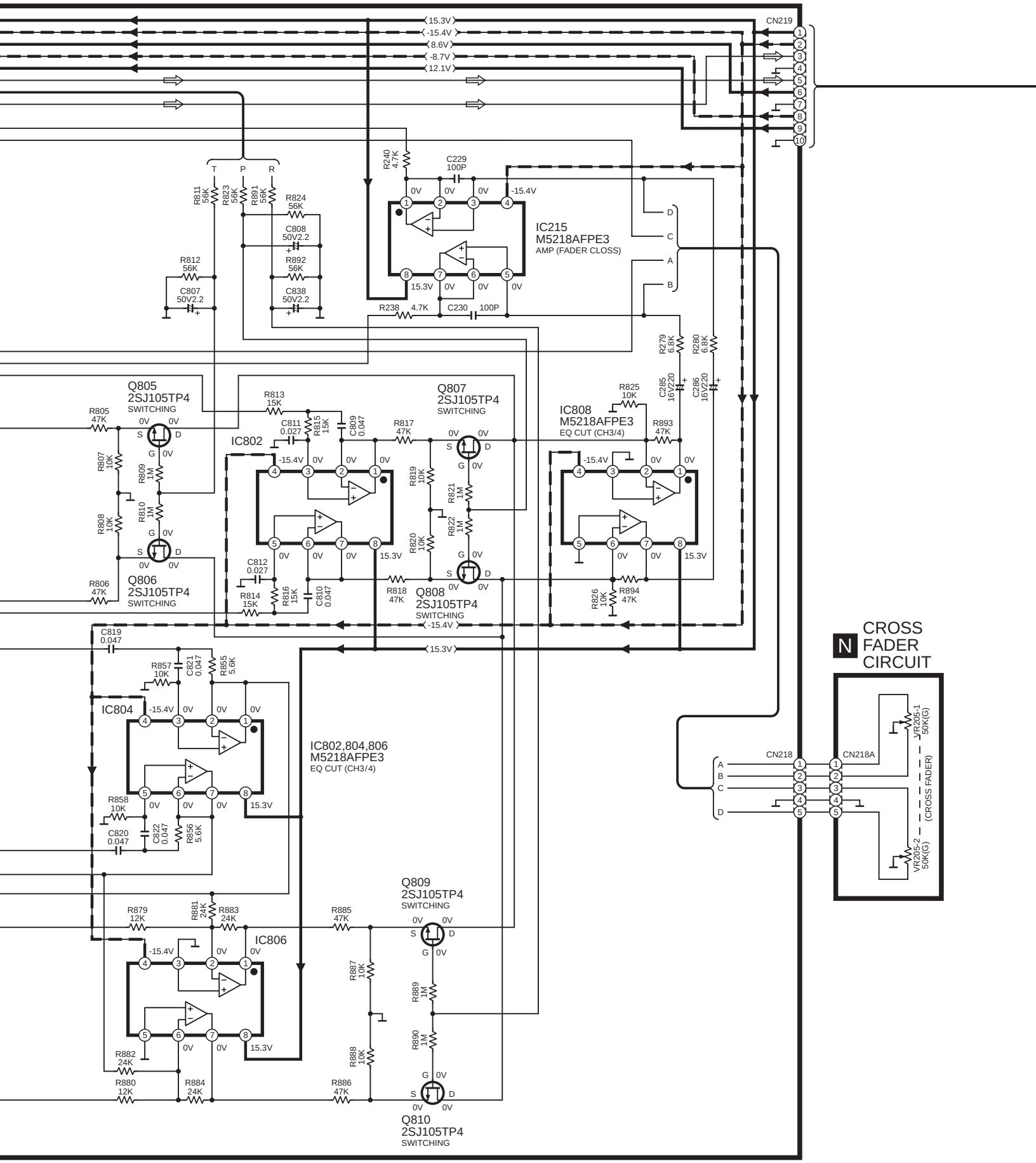
K MAIN CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE

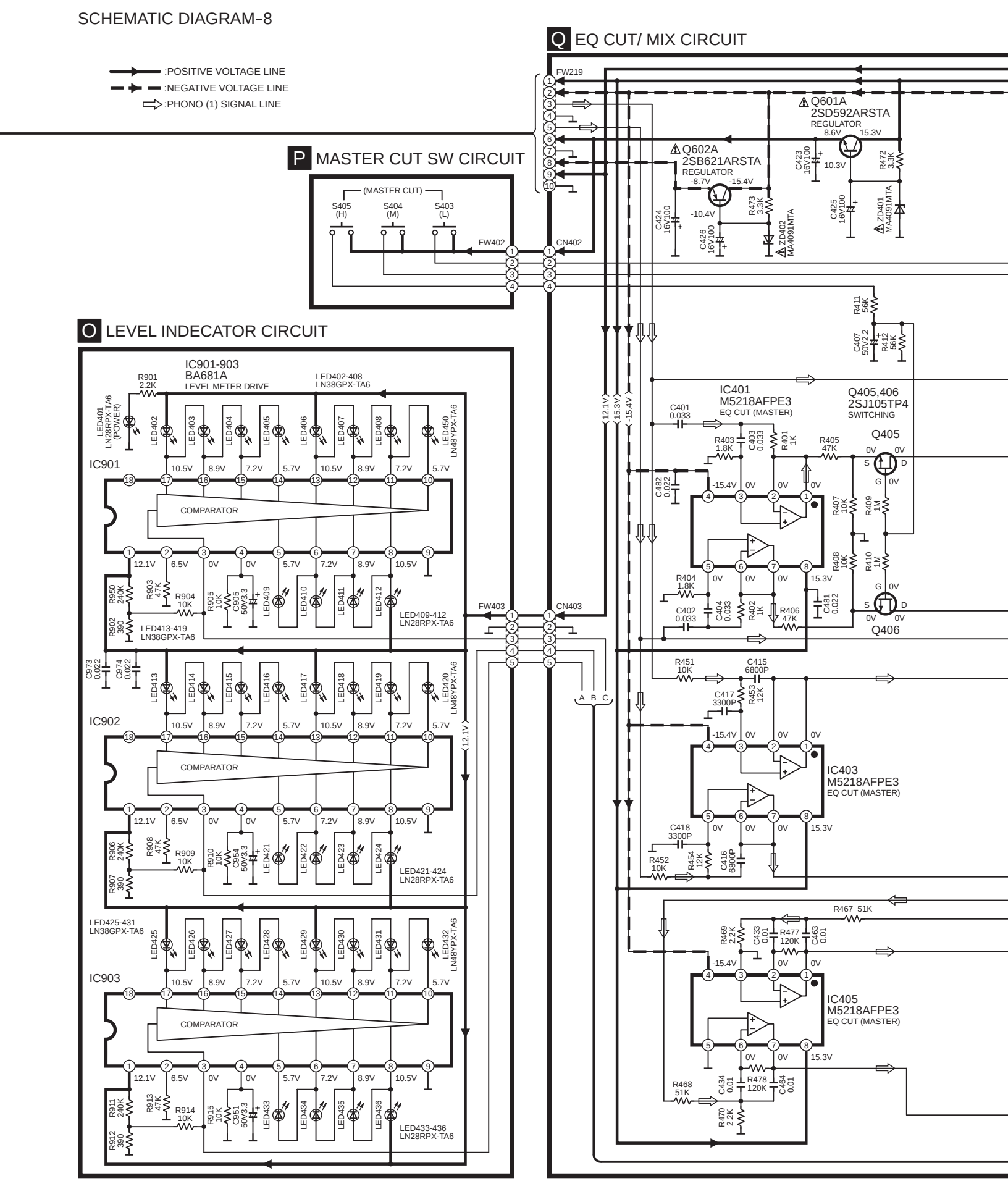


SCHEMATIC DIAGRAM–7

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE

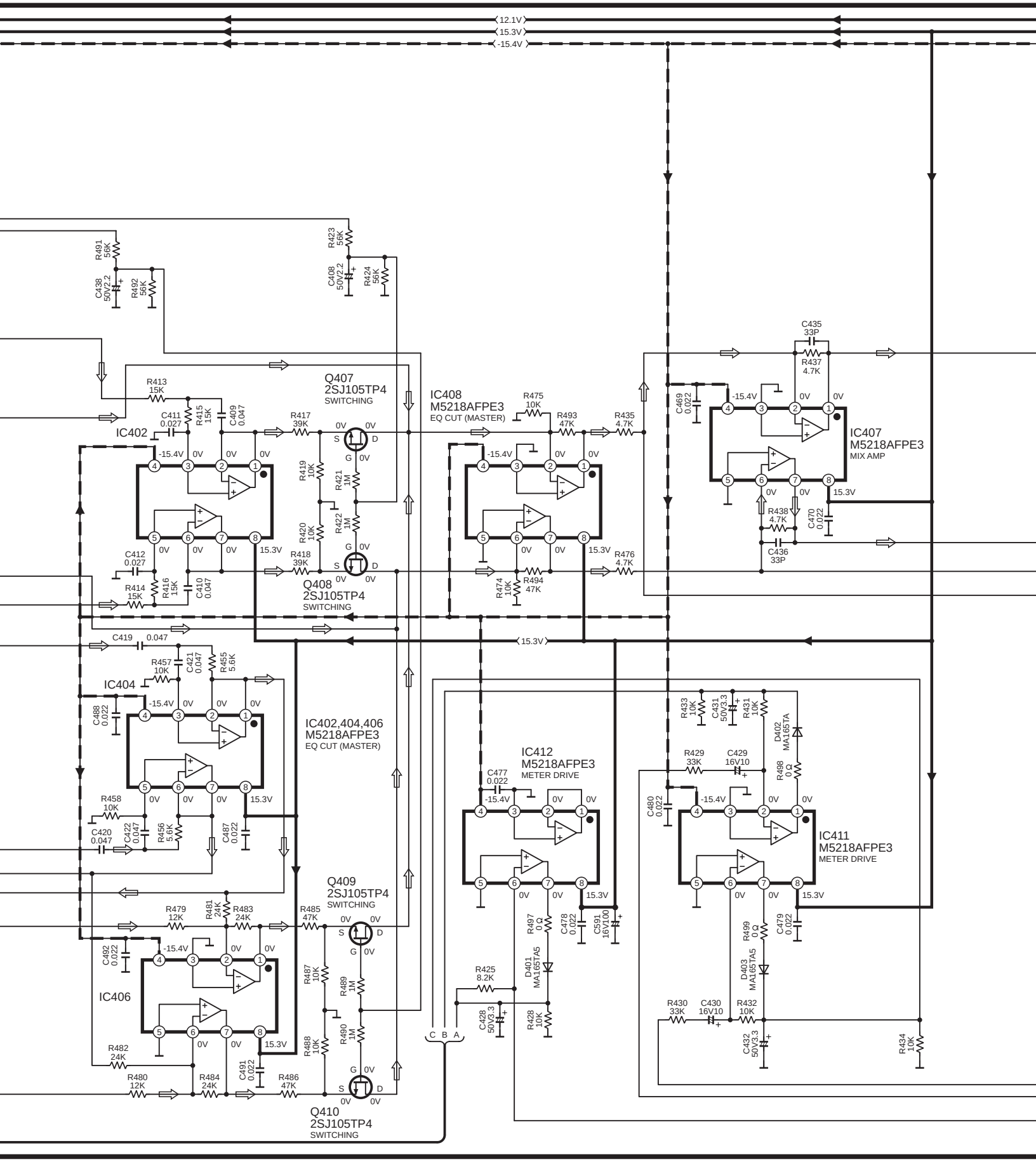


SCHEMATIC DIAGRAM–8



SCHEMATIC DIAGRAM–9

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE



SCHEMATIC DIAGRAM–10

Q EQ CUT/ MIX CIRCUIT

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:PHONO (1) SIGNAL LINE

12.1V
15.3V
-15.4V

CN601

To W BALANCE CIRCUIT(FW601) on SCHEMATIC DIAGRAM–13

To S IN/OUT TERMINAL CIRCUIT(CN701) on SCHEMATIC DIAGRAM–14

FW701

R495 0 Ω
R496 0 Ω
C516 0.022

C512 50V3.3
R462 0 Ω
C520 100P
R466 0 Ω
R460 56K
C514 100P

IC413
M5218AFPE3
BUFFER AMP

-15.4V 0V 0V 0V
0V 0V 0V 15.3V

C511 50V3.3
R461 0 Ω
R459 56K
C513 100P
C519 100P
R465 0 Ω
C515 0.022

C454 50V3.3
R446 0 Ω
C458 100P
R450 0 Ω
R444 56K
C456 100P

IC414
M5218AFPE3
BUFFER AMP

-15.4V 0V 0V 0V
0V 0V 0V 15.3V

C453 50V3.3
R445 0 Ω
R443 56K
C455 100P
C457 100P
R449 0 Ω

A B C D

CN401

FW401

R439 2.2K C449 16V10
R441 2.2K C451 16V10
R442 2.2K C452 16V10
R440 2.2K C450 16V10

R427 33K
R426 33K
C437 16V10
C427 16V10

R MASTER FADER CIRCUIT

S402 (MONITOR)
STEREO ↔ MONO
VR402-1 50K(V)
S401 (MASTER)
VR402-2 50K(V)
STEREO ↔ MONO
(MASTER)
VR401-1 50K(V)
VR401-2 50K(V)
C495 0.022
(SUB MASTER)

SCHEMATIC DIAGRAM–11

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:MIC SIGNAL LINE

T MIC CIRCUIT

IC502
M5218AFPE3
TONE AMP

S IN/ OUT TERMINAL CIRCUIT

IC501
SVIGM5220L
MIC AMP

IC701
SVIGM5220L
MIC AMP

IC503
M5218AFPE3
TONE AMP

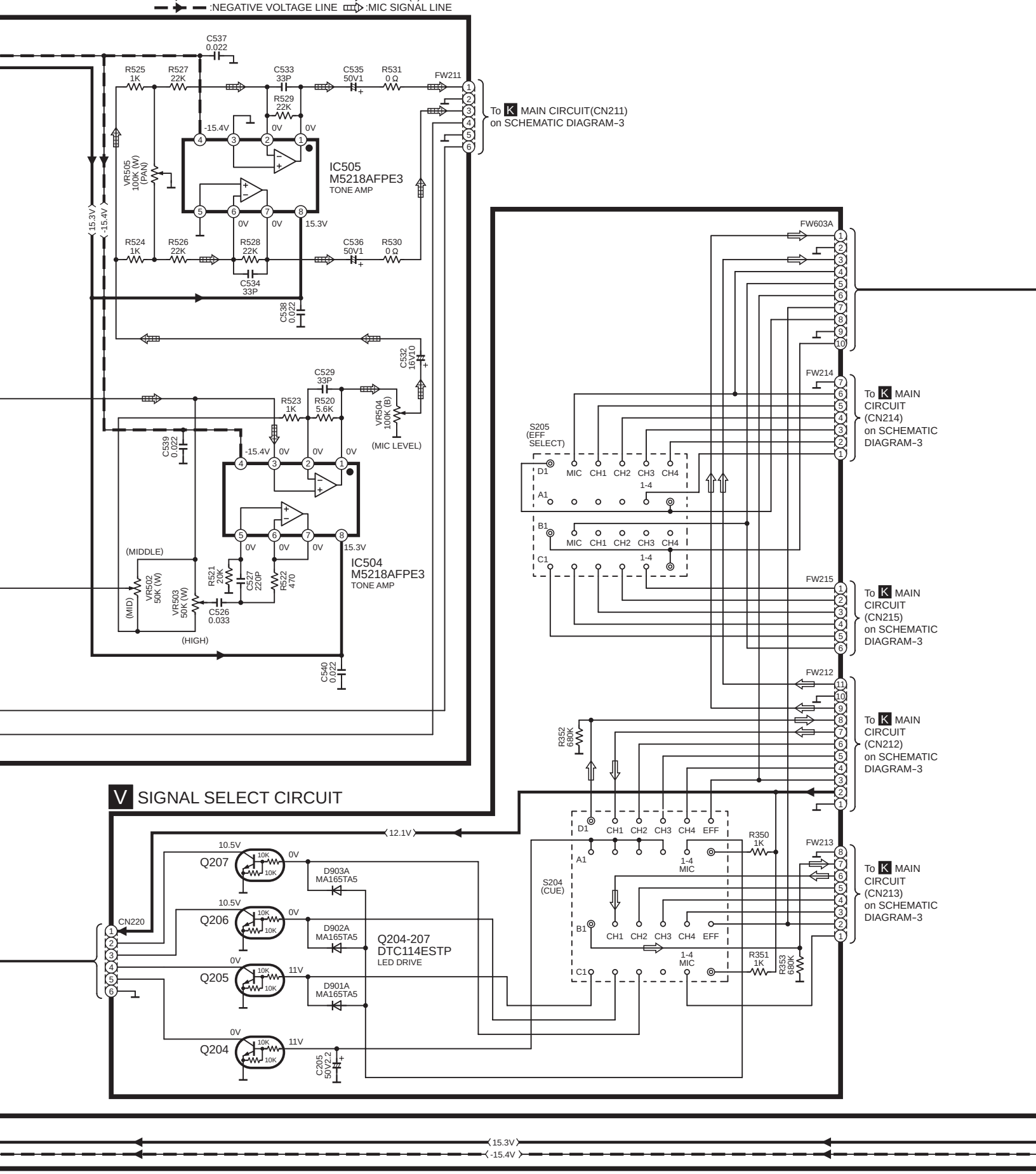
IC702
M5218AL
INPUT AMP

U CHANNEL VIEW CIRCUIT

LED101-104
LN301MPUJAD

SCHEMATIC DIAGRAM–12

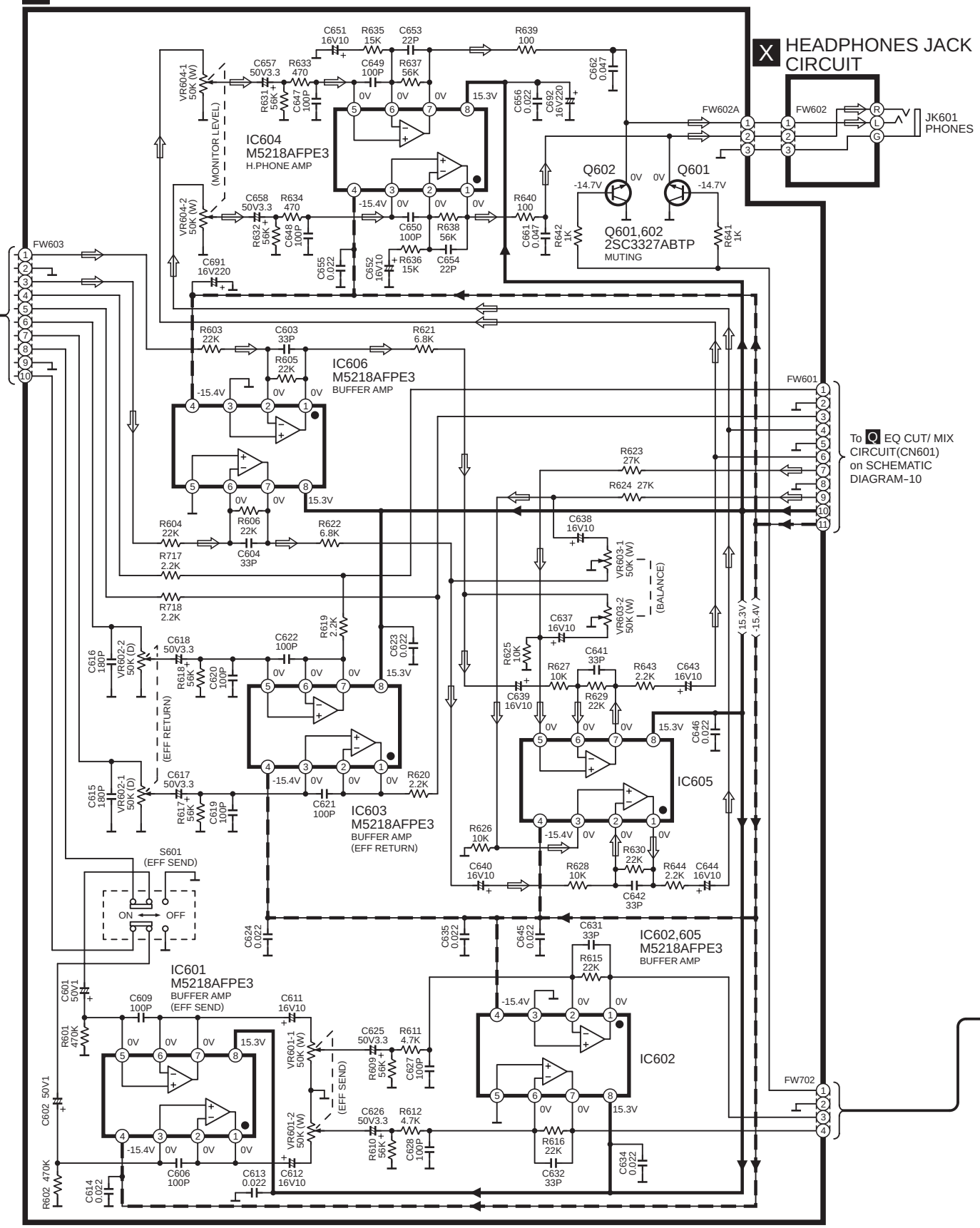
:POSITIVE VOLTAGE LINE :PHONO (1) SIGNAL LINE
:NEGATIVE VOLTAGE LINE :MIC SIGNAL LINE



SCHEMATIC DIAGRAM–13

W BALANCE CIRCUIT

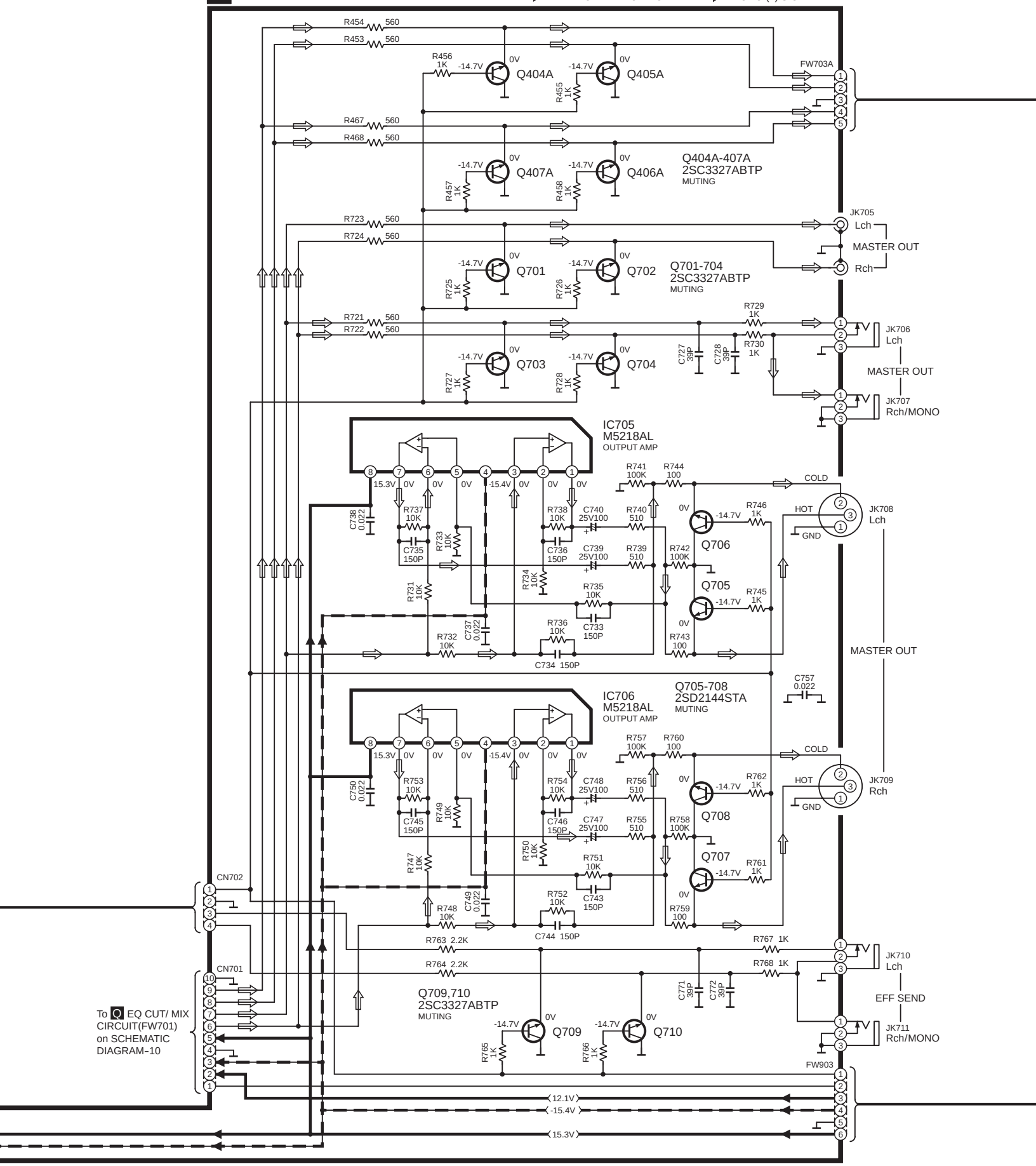
:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:PHONO (1) SIGNAL LINE



SCHEMATIC DIAGRAM–14

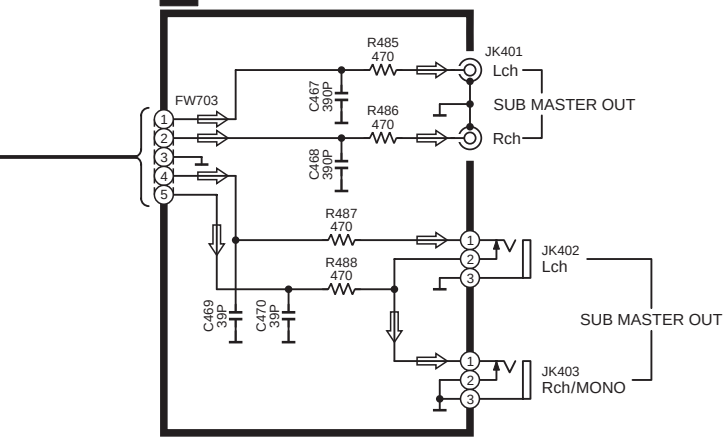
S IN/ OUT TERMINAL CIRCUIT

:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:PHONO (1) SIGNAL LINE



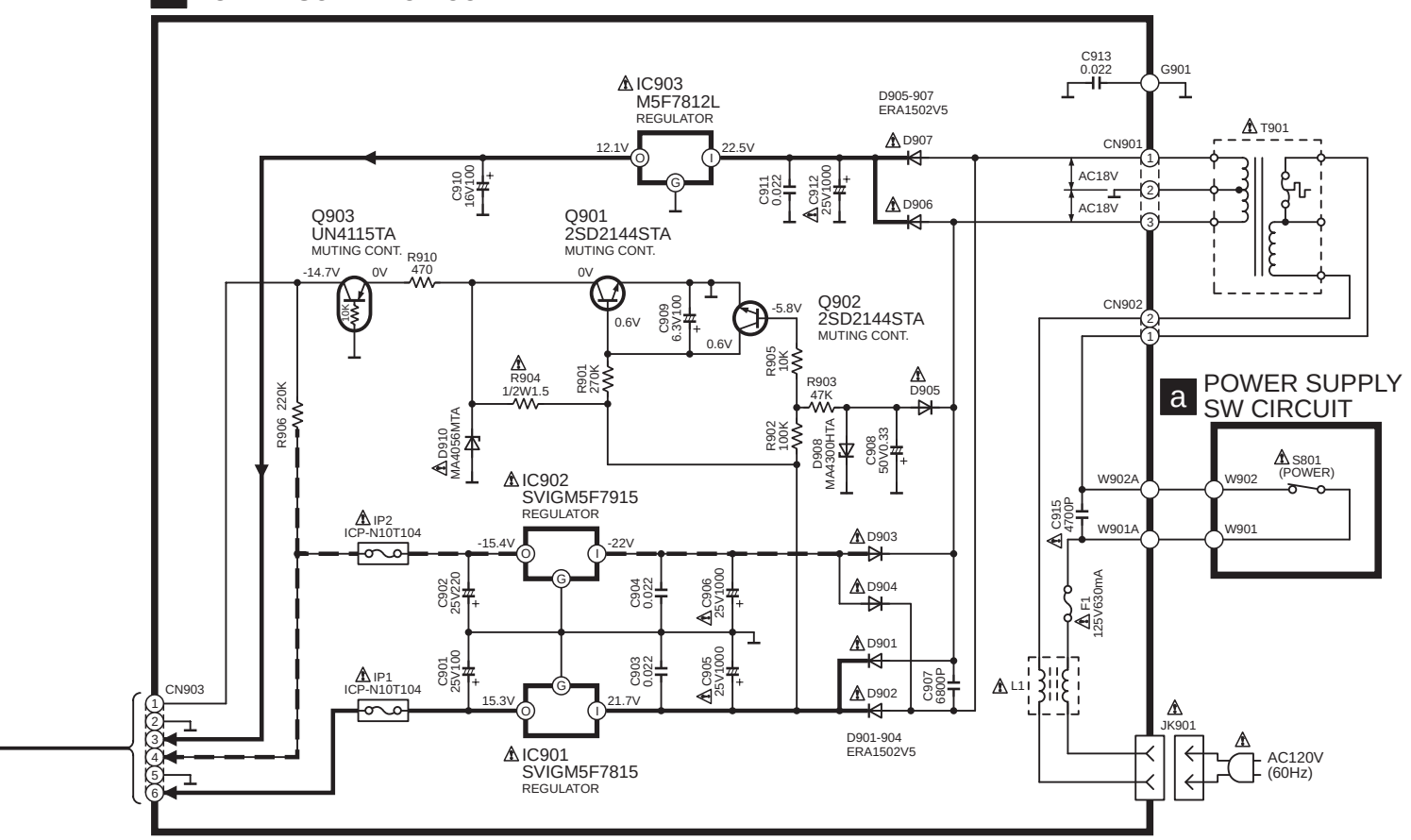
SCHEMATIC DIAGRAM–15

Y SUB MASTER OUTPUT CIRCUIT

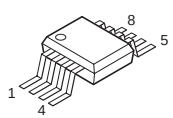


:POSITIVE VOLTAGE LINE
:NEGATIVE VOLTAGE LINE
:PHONO (1) SIGNAL LINE

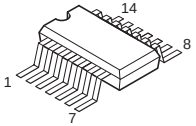
Z POWER SUPPLY CIRCUIT



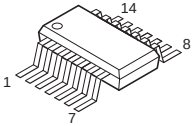
M5220FPE1
M5218AFPE3



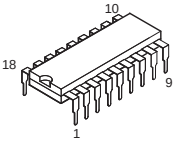
TC4013BFELN



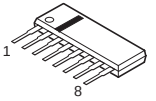
BU4066BCF-E2



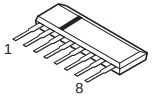
BA681A



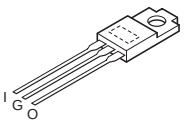
M5218AL



SVIGM5220L



M5F7812L
SVIGM5F7815



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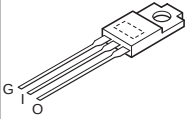

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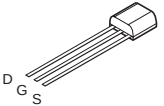

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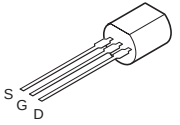

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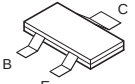

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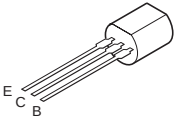

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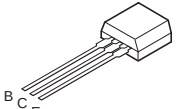

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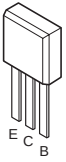

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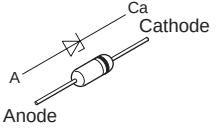

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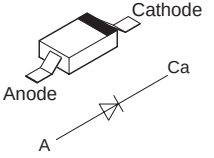

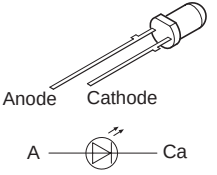

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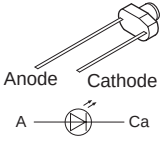
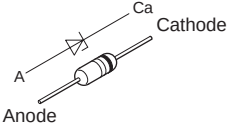
LN38GPX-TA6
LN48YPX-TA6

SLR-325VC





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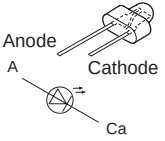

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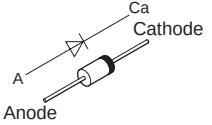

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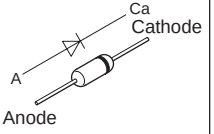
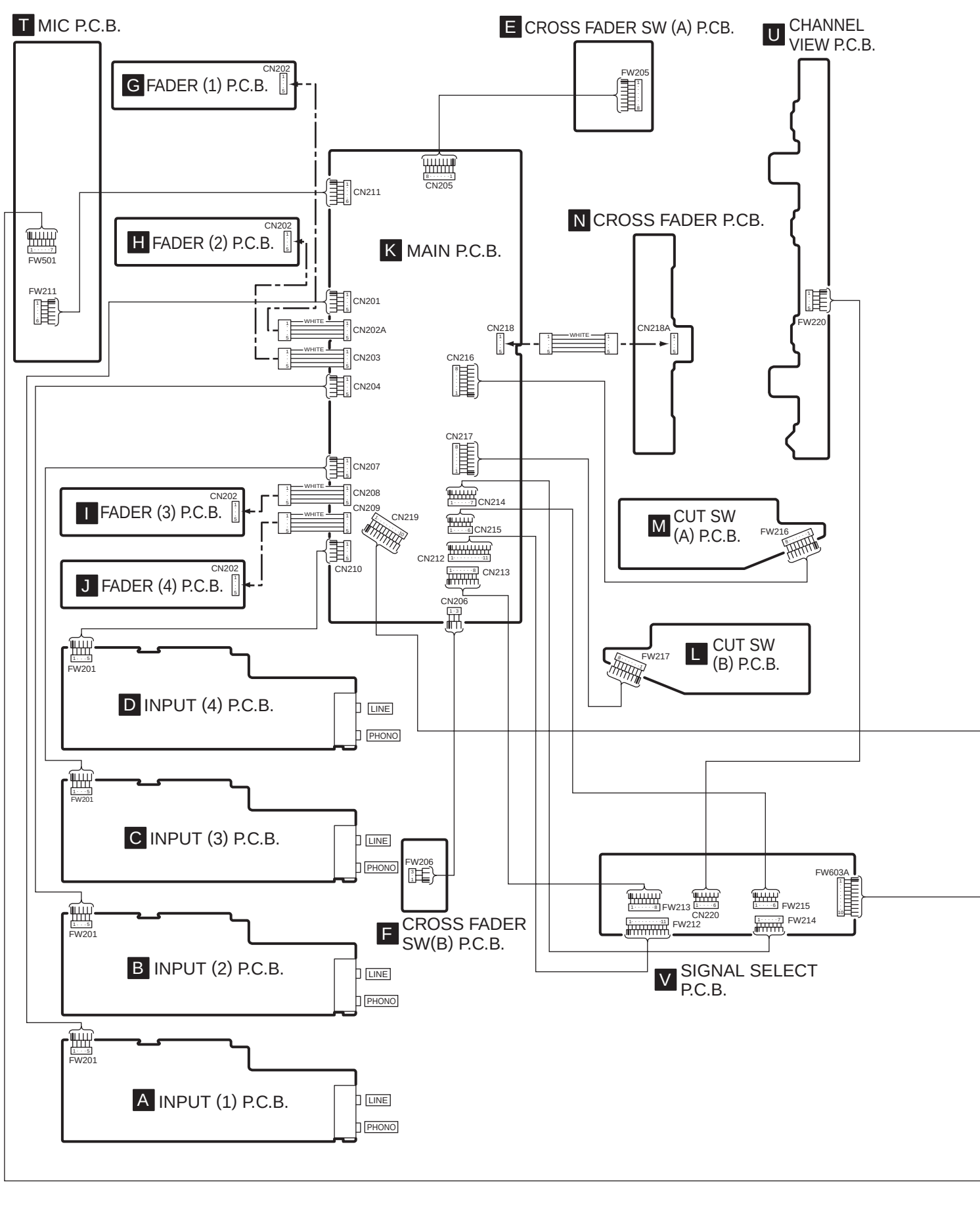
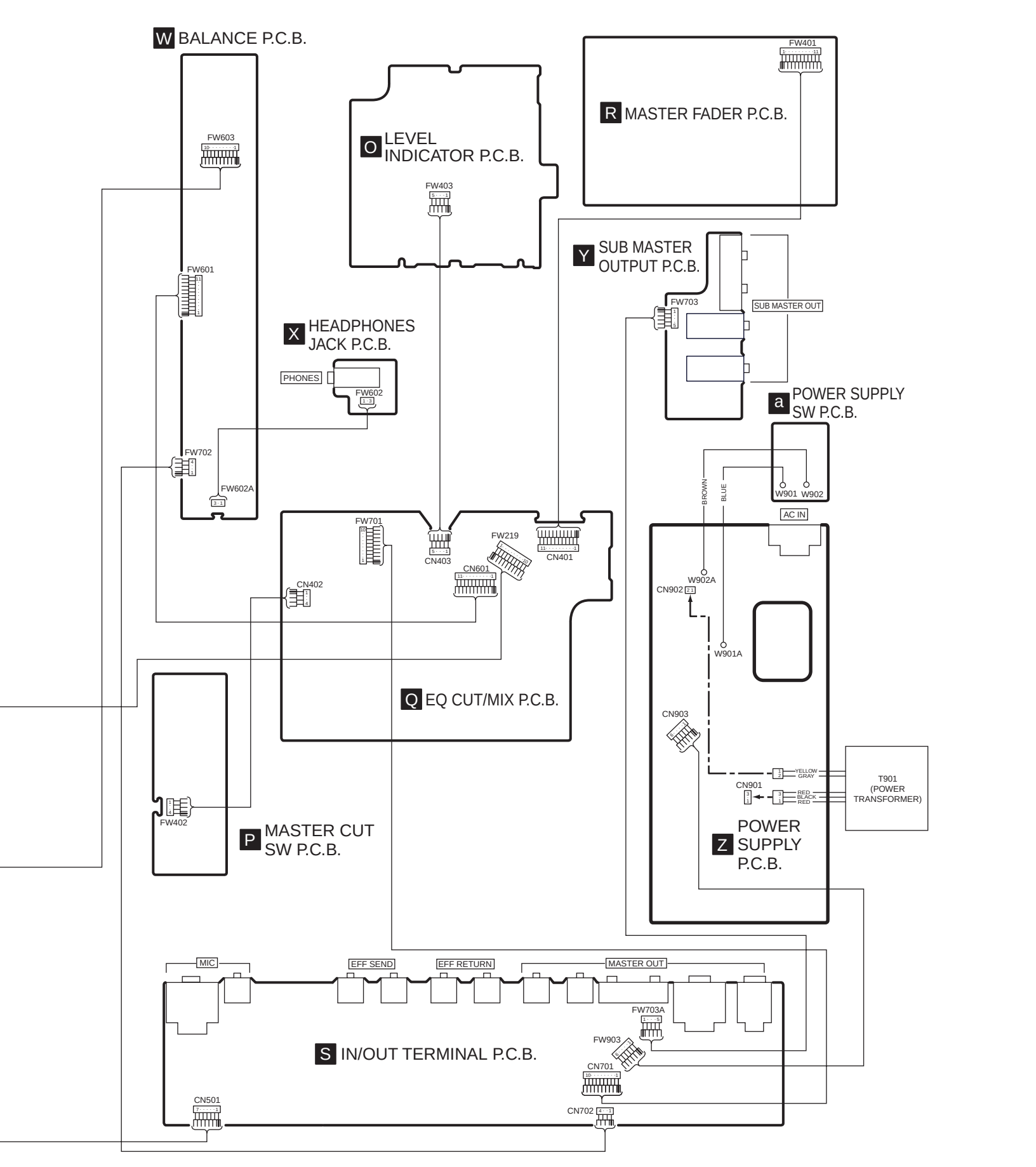
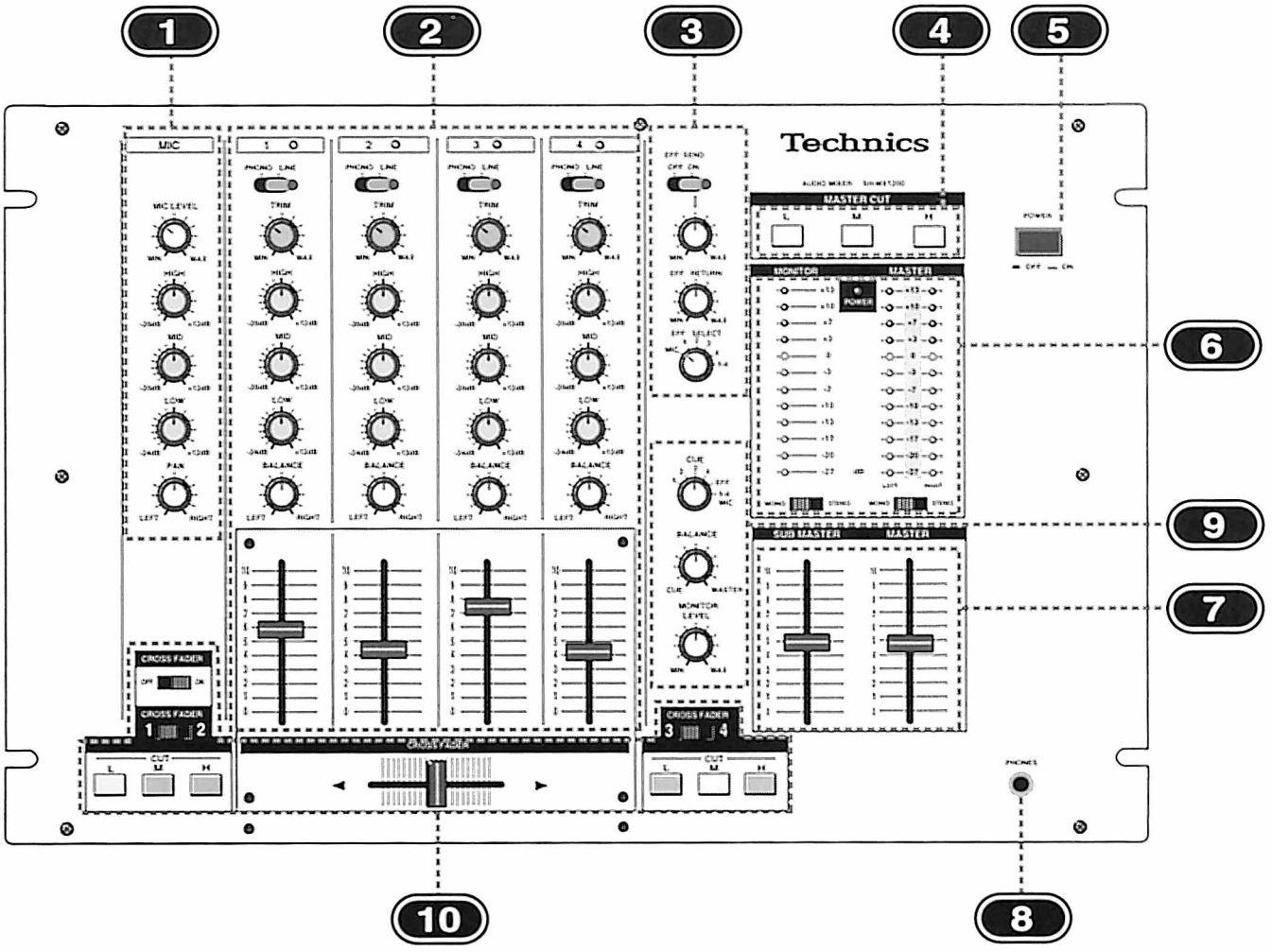



T MIC P.C.B.
E CROSS FADER SW (A) P.C.B.
U CHANNEL VIEW P.C.B.
G FADER (1) P.C.B.
CN202
FW205
CN205
CN211
H FADER (2) P.C.B.
CN202
K MAIN P.C.B.
N CROSS FADER P.C.B.
FW501
FW211
CN201
CN202A
WHITE
CN203
WHITE
CN204
CN218
WHITE
CN218A
FW220
CN216
CN217
CN207
CN208
WHITE
CN209
WHITE
CN219
CN214
CN215
CN212
CN213
CN210
CN206
I FADER (3) P.C.B.
CN202
J FADER (4) P.C.B.
CN202
M CUT SW (A) P.C.B.
FW216
L CUT SW (B) P.C.B.
FW217
FW201
D INPUT (4) P.C.B.
LINE
PHONO
FW201
C INPUT (3) P.C.B.
LINE
PHONO
FW206
F CROSS FADER SW(B) P.C.B.
FW603A
FW213
CN220
FW212
FW215
FW214
FW201
B INPUT (2) P.C.B.
LINE
PHONO
V SIGNAL SELECT P.C.B.
FW201
A INPUT (1) P.C.B.
LINE
PHONO


W BALANCE P.C.B.
FW603
FW601
FW702
FW602A
O LEVEL INDICATOR P.C.B.
FW403
R MASTER FADER P.C.B.
FW401
Y SUB MASTER OUTPUT P.C.B.
FW703
SUB MASTER OUT
X HEADPHONES JACK P.C.B.
PHONES
FW602
a POWER SUPPLY SW P.C.B.
W901 W902
BROWN
BLUE
AC IN
FW701
CN403
FW219
CN401
CN601
CN402
W902A
CN902
W901A
Q EQ CUT/MIX P.C.B.
CN903
YELLOW
GRAY
RED
BLACK
RED
CN901
T901 (POWER TRANSFORMER)
Z POWER SUPPLY P.C.B.
FW402
P MASTER CUT SW P.C.B.
MIC
EFF SEND
EFF RETURN
MASTER OUT
FW703A
FW903
CN701
CN702
CN501
S IN/OUT TERMINAL P.C.B.

Operation panel



1 MIC section

Adjust the sound of a microphone connected to the MIC terminal.

■ MIC LEVEL control	Microphone volume
■ HIGH control	High-range sound
■ MID control	Mid-range sound
■ LOW control	Low-range sound
■ PAN control	Stereo balance

2 Input signal regulating section

Regulate the signal input from 1IN, 2IN, 3IN and 4IN terminals.

■ PHONO/LINE switch	Select input source
■ TRIM control	Input level
■ HIGH control	High-range sound
■ MID control	Mid-range sound
■ LOW control	Low-range sound
■ BALANCE control	Left-right balance
■ Fader	Volume

3 External effector section

Adjust the input/output to an external effector.

■ EFF SEND	Effector output on/off switch and output level control
■ EFF RETURN	Effector input level control
■ EFF SELECT	Effect source selector

4 MASTER CUT button

While the button is depressed, the specified sound range of the master output is cut.

■ H (high)	High-range cut
■ M (mid)	Mid-range cut
■ L (low)	Low-range cut

• The sub-master output is also cut.

5 POWER button

Turns the audio mixer on and off.

• The POWER indicator lights when the audio mixer is on.

6 MONITOR/MASTER output level meter

Display of each output level

• With the MONO/STEREO switch, the output mode of each can be selected.

7 MASTER/ SUB MASTER volume fader

Adjustment of each output level

8 PHONES jack

Connection jack for monitoring headphones

9 Monitor section

For monitoring adjustments

■ CUE	Monitor source selector

• When 1, 2, 3 or 4 is selected, the corresponding indicator in the input signal adjustment section lights.

■ BALANCE control	Adjustment of the volume balance between the MASTER source and the source selected by CUE
■ MONITOR LEVEL control	Headphones volume

10 CROSS FADER section

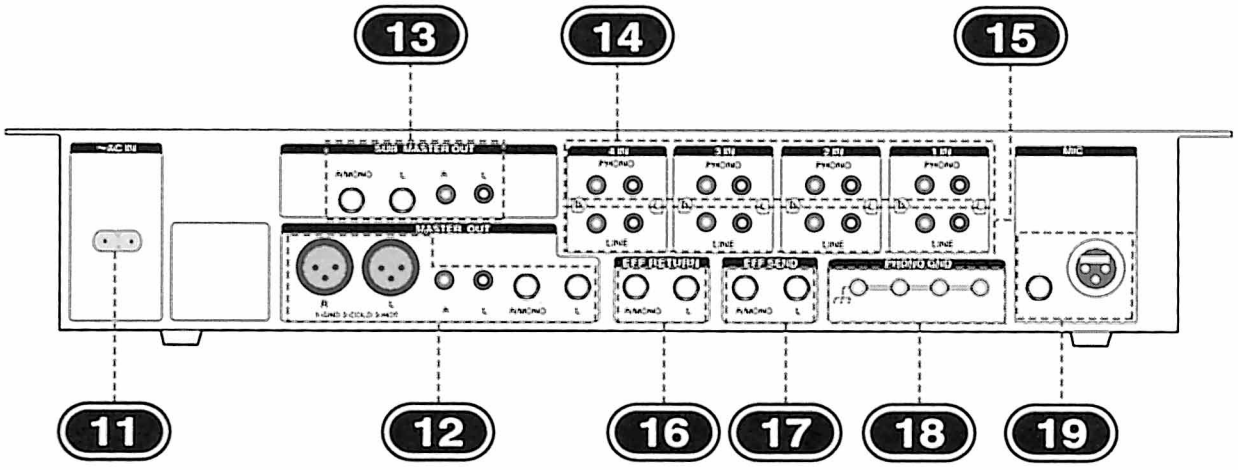
Used to adjust the level balance of the 2 input signals for the FADER.

The level balance between input signal 1 or 2 and input signal 3 or 4 can be adjusted with the sliding fader control.

■ OFF/ON switch	Fader on/off
■ 1/2 and 3/4 switches	Source selection
■ CUT button	The specified sound range is cut with the respective CUT buttons beneath the 1/2 and 3/4 switches.

• Specify H to cut the high range, M for the middle range, and L for the low range. Once a button is pressed (the button lights), the sound is cut until the same button is pressed again (the button goes out).

Rear panel terminals



11 AC IN (power input)	Connect to the AC power cord (included).
12 MASTER OUT terminals	Master output terminals. Balance output, pin and 6.3 mm (1/4") terminals are available.
13 SUB MASTER OUT terminals	Sub-master output terminals for a monitor booth. 6.3 mm (1/4") and pin terminals are available.
14 PHONO terminals	Input terminals for PHONO
15 LINE terminals	LINE input terminals
16 EFF RETURN terminals	Terminals to return the external effector signal
17 EFF SEND terminals	Terminals to send the signal to an external effector
18 PHONO GND terminal	To prevent hum and other interference. Affix the record player ground wire to this terminal.
19 MIC (microphone input) terminals	Microphone connection terminals. Large-type and balance input terminals are available.

- If you connect a monaural cord to the 6.3 mm (1/4") plug terminals, connect to R/MONO and do not connect anything to L.